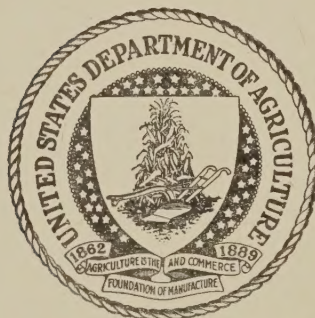


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DEPARTMENT OF AGRICULTURE



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STATEMENT OF PROPOSED PROJECT ALLOTMENTS
FOR THE FISCAL YEAR 1928, ESTIMATED
EXPENDITURES FOR THE FISCAL YEAR
1927, AND EXPENDITURES FOR THE
FISCAL YEAR 1926

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| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| Statutory Salaries: | | | |
| Secretary of Agriculture. | \$ 15,000 | \$ 15,000 | \$ 15,000.00 |
| Assistant Secretary and other personsl services | 634,706 | 643,666 | (a) 583,239.94 |
| Extra labor and emergency employments | 7,294 | 7,294 | 7,056.25 |
| Mechanical Shops and Power Plant | 91,000 | 92,000 | 92,998.03 |
| Miscellaneous Expenses. | 143,000 | 180,000 | 143,979.15 |
| Rent of Building. | 180,366 | 195,366 | 181,573.35 |
| Total, Lump-Fund Appropriations | 414,366 | 467,366 | 418,550.53 |
| Statutory Salaries. | 657,000 | 665,960 | 605,296.19 |
| Total, Office of the Secretary. | 1,071,366 | 1,133,326 | 1,023,846.72 |

(a) Includes \$970.83 paid from 1926 salaries to meet increase in salary of Secretary of Agriculture for fiscal year 1925.

OFFICE OF INFORMATION

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>SALARIES AND EXPENSES:</u> | | | |
| General administration | \$9,500 | \$9,500 | \$ 9,601.16 |
| Statutory salaries | 41,640 | 46,020 | 39,966.41 |
| Congressional distribution | 1,200 | 1,200 | 1,224.93 |
| Statutory salaries | 41,000 | 41,000 | 46,127.30 |
| Miscellaneous distribution | 2,800 | 2,800 | 2,832.59 |
| Statutory salaries | 15,960 | 15,960 | 14,297.67 |
| Editorial and printing section | 600 | 600 | 640.82 |
| Statutory salaries | 40,300 | 40,300 | 37,967.70 |
| Press service | 2,200 | 2,200 | 2,364.72 |
| Statutory salaries | 32,700 | 32,700 | 22,965.01 |
| Photographic section | 4,500 | 4,500 | 4,667.89 |
| Statutory salaries | 28,620 | 28,620 | 27,728.83 |
| Illustrations section | 500 | 500 | 533.87 |
| Statutory salaries | 24,500 | 24,500 | 18,623.26 |
| A. D. and M. section | 16,000 | 12,000 | 10,100.00 |
| Statutory salaries | 88,700 | 92,700 | 94,019.52 |
| Mailing list section | 250 | 250 | 255.10 |
| Statutory salaries | 9,580 | 9,580 | 12,337.30 |
| Radio Service | 1,450 | 1,450 | - - - |
| Statutory salaries | 15,000 | - - - | - - - |
| General Expenses | 39,000 | 35,000 | 32,221.08 |
| Statutory salaries | 328,000 | 331,380 | 314,033.00 |
| Total | 377,000 | 366,380 | 346,254.08 |

OFFICE OF INFORMATION

| Appropriation and Projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>PRINTING AND BINDING:</u> | | | |
| Regular appropriation. | \$730,000 | \$738,000 | \$737,906.79 |
| Printing and binding, "Diseases of the Horse" and "Diseases of Cattle". . . . | - - - | 200,000 | - - - - |
| Total. | 730,000 | 938,000 | 737,906.79 |

TOTALS, OFFICE OF INFORMATION

| Appropriation and projects | : | : | Estimated | : | Expended | |
|--|---|-----------|-----------|----------------|----------|--------------|
| | : <th>Estimated</th> <th>:</th> <th>expenditures</th> <th>:</th> <th>and</th> | Estimated | : | expenditures | : | and |
| | : <th>1928</th> <th>:</th> <th>1927</th> <th>:</th> <th>Obligated</th> | 1928 | : | 1927 | : | Obligated |
| | : <td></td> <th>:</th> <th>appropriation:</th> <td></td> <th>1926</th> | | : | appropriation: | | 1926 |
| Salaries and expenses. | : | \$377,000 | : | \$366,380 | : | \$346,254.08 |
| Printing and binding | : | 730,000 | : | 938,000 | : | 737,906.79 |
| Total, Office of Information | : | 1,107,000 | : | 1,304,380 | : | 1,084,160.87 |

LIBRARY, DEPARTMENT OF AGRICULTURE

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| Statutory salaries. | \$ 54,680 | \$ 54,680 | \$ 38,617.80 |
| General expenses: Library work. | 29,500 | 29,500 | 29,487.38 |
| Total, Library, Department of Agriculture | 84,180 | 84,180 | 68,105.18 |

OFFICE OF EXPERIMENT STATIONS

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>STATE AGRICULTURAL EXPERIMENT STATIONS:</u> | | | |
| Hatch Act. | \$ 720,000 | \$ 720,000 | \$ 720,000 |
| Adams Act. | 720,000 | 720,000 | 720,000 |
| Furnell Act. | 1,920,000 | 1,440,000 | 960,000 |
| | | | |
| TOTAL | 3,360,000 | 2,880,000 | 2,400,000 |

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>SUPERVISION AND RELATIONS WITH STATE</u> <u>AGRICULTURAL EXPERIMENT STATIONS:</u> | | | |
| General expenses appropriation. | \$83,730 | \$83,730 | \$58,267.27 |
| Statutory salaries. | 32,836 | 32,836 | 31,998.17 |
| Administration of Insular Experiment Stations: | | | |
| General expenses appropriation. | 5,450 | 5,450 | 7,060.00 |
| Statutory salaries. | 2,550 | 2,550 | 3,367.83 |
| Total general expenses appropriation . | 89,180 | 89,180 | 65,327.27 |
| Total statutory salaries. | 35,386 | 35,386 | 35,366.00 |
| Total. | 124,566 | 124,566 | 100,693.27 |

OFFICE OF EXPERIMENT STATIONS

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|-----------------------------------|
| <u>INSULAR AGRICULTURAL EXPERIMENT STATIONS:</u> | | | |
| Alaska experiment stations. | \$ 76,240 | \$ 76,240 | \$ 75,040.00 |
| Hawaii experiment station | 54,940 | 54,940 | 54,598.43 |
| Porto Rico experiment stations. | 56,460 | 56,460 | 54,943.41 |
| Guam experiment station | 25,000 | 24,160 | <u>1/</u> 24,109.53 |
| Virgin Islands experiment station . . | 25,000 | 22,180 | 21,487.72 |
| Total, Insular Station | 237,640 | 233,980 | 230,179.09 |

1/ Includes \$3,847.05 balance of appropriation of \$8,000 for coconut scale.

TOTALS, OFFICE OF EXPERIMENT STATIONS

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 (a) |
|--|-------------------|--|--|
| Total, Lump Fund Appropriations. | \$3,686,820 | \$3,203,160 | \$2,694,506.36 |
| Total, Statutory Salaries. | 35,386 | 35,386 | 35,366.00 |
| Total, Office of Experiment Stations . | 3,722,206 | 3,238,546 | 2,729,872.36 |

(a) Includes \$3,847.05 balance of appropriation of \$8,000 for coconut scale.

EXTENSION SERVICE

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|-----------------------------------|
| <u>GENERAL EXPENSES:</u> | | | |
| Farmers' cooperative demonstration work | \$ 1,300,000 | \$ 1,308,540 | \$1,257,640.48 |
| Statutory salaries | 126,800 | 125,603 | 124,347.67 |
| Cooperative agricultural extension work | 1,300,000 | 1,300,000 | 1,300,000.00 |
| Demonstrations on reclamation projects | 38,640 | 38,640 | 37,267.10 |
| Agricultural exhibits at fairs | 95,000 | 99,745 | 99,303.39 |
| Statutory salaries | 7,500 | 8,500 | 10,540.00 |
| Third World's Poultry Congress (deficiency) | - - - | 20,000 | - - - - |
| General administrative expenses | 9,540 | 9,540 | 9,719.02 |
| Cooperative agricultural extension work (permanent annual) | 4,580,000 | 4,580,000 | 4,580,000.00 |
| Total, Lump Fund Appropriations | 7,323,180 | (a)7,356,465 | 7,283,929.99 |
| Total, Statutory Salaries | 134,300 | 134,103 | 134,887.67 |
| Total | 7,457,480 | (a)7,490,568 | 7,418,817.66 |

(a) Includes \$20,000 for Third World's Poultry Congress, appropriated by the Second Deficiency Act of July 3, 1926.

THE HISTORY OF

THE CITY OF NEW YORK, FROM THE FIRST SETTLEMENT, TO THE PRESENT TIME.

IN TWO VOLUMES. THE FIRST VOLUME CONTAINS THE HISTORY FROM THE FIRST SETTLEMENT, TO THE YEAR 1709. THE SECOND VOLUME CONTAINS THE HISTORY FROM THE YEAR 1709, TO THE PRESENT TIME.

BY JAMES OSGOOD, ESQ. OF THE CITY OF NEW YORK.

NEW YORK: PUBLISHED BY J. OSGOOD, 10 NASSAU ST. 1854.

THE HISTORY OF THE CITY OF NEW YORK, FROM THE FIRST SETTLEMENT, TO THE PRESENT TIME.

WEATHER BUREAU

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>IN WASHINGTON:</u> | | | |
| Meteorological and forecast work | \$65,940 | \$65,940 | \$58,772.25 |
| Statutory Salaries | 83,530 | 84,400 | 84,146.56 |
| Hurricane and storm warnings | 6,465 | 6,465 | 5,657.17 |
| Statutory Salaries | 11,870 | 11,990 | 11,939.70 |
| Cold Wave and agricultural warnings | 8,675 | 8,675 | 7,693.30 |
| Statutory Salaries | 12,990 | 13,130 | 13,082.43 |
| Climatology and agricultural meteorology | 37,955 | 37,955 | 34,755.60 |
| Statutory Salaries | 79,390 | 80,220 | 79,906.80 |
| River and flood, snow surveys, and evaporation work | 13,095 | 13,095 | 12,221.13 |
| Statutory Salaries | 16,180 | 16,360 | 16,312.20 |
| Aerological work | 8,905 | 8,905 | 8,570.44 |
| Statutory Salaries | 12,770 | 12,910 | 12,842.20 |
| Marine work, including vessel reporting | 9,150 | 9,150 | 8,691.80 |
| Statutory Salaries .. | 10,270 | 10,380 | 10,328.35 |
| Solar radiation | 8,315 | 8,315 | 8,101.95 |
| Statutory Salaries | 1,140 | 1,150 | 1,150.76 |
| Total, In Washington..... | 158,500 | 158,500 | 144,463.64 |
| Statutory Salaries..... | 228,140 | 230,540 | 229,709.00 |
| Total | \$386,640 | \$389,040 | \$374,172.64 |

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>PRINTING OFFICE:</u> | | | |
| Meteorological and forecast work..... | \$ 3,780 | \$ 3,780 | \$ 3,942.25 |
| Statutory Salaries..... | 15,525 | 15,685 | 15,683.40 |
| Hurricane and storm warnings..... | 540 | 540 | 566.25 |
| Statutory Salaries..... | 2,045 | 2,065 | 2,061.20 |
| Cold wave and agricultural warnings..... | 550 | 550 | 576.08 |
| Statutory Salaries..... | 2,335 | 2,355 | 2,361.50 |
| Climatology and Agricultural meteorology..... | 3,100 | 3,100 | 3,242.17 |
| Statutory Salaries..... | 12,630 | 12,760 | 12,761.33 |
| River and flood, snow surveys, and evaporation work..... | 530 | 530 | 555.80 |
| Statutory Salaries..... | 2,540 | 2,560 | 2,557.18 |
| Aerological work..... | 520 | 520 | 545.42 |
| Statutory Salaries..... | 2,460 | 2,480 | 2,480.75 |
| Marine work, including vessel reporting..... | 510 | 510 | 534.16 |
| Statutory Salaries..... | 1,960 | 1,980 | 1,978.26 |
| Solar radiation..... | 470 | 470 | 493.60 |
| Statutory Salaries..... | 1,395 | 1,405 | 1,407.40 |
| Total, Printing Office..... | 10,000 | 10,000 | 10,455.73 |
| Statutory Salaries..... | 40,890 | 41,290 | 41,291.02 |
| Total..... | \$50,890 | \$51,290 | \$51,746.75 |

WEATHER BUREAU

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>OUT OF WASHINGTON:</u> | | | |
| Meteorological and forecast work | \$ 776,720 | \$ 778,743 | \$ 728,633.22 |
| Statutory Salaries..... | 67,620 | 68,420 | 68,359.43 |
| Hurricane and storm warnings..... | 121,670 | 121,920 | 118,034.18 |
| Statutory Salaries..... | 11,215 | 11,345 | 11,303.44 |
| Cold wave and agricultural warnings..... | 117,950 | 118,300 | 114,144.00 |
| Statutory Salaries..... | 10,715 | 10,845 | 10,812.61 |
| Climatology and agricultural Meteorology..... | 504,475 | 506,215 | 496,572.50 |
| Statutory Salaries..... | 53,040 | 53,680 | 53,452.91 |
| River and flood, snow surveys, and evaporation work..... | 157,750 | 158,105 | 154,282.55 |
| Statutory Salaries..... | 12,720 | 12,870 | 12,818.95 |
| Aerological work..... | 20,015 | 20,095 | 19,451.60 |
| Statutory Salaries..... | 1,450 | 1,460 | 1,455.64 |
| Marine work, including vessel reporting..... | 39,870 | 40,000 | 38,879.62 |
| Statutory Salaries..... | 3,215 | 3,250 | 3,227.20 |
| Solar radiation..... | 4,450 | 4,465 | 4,314.80 |
| Statutory Salaries..... | 315 | 320 | 320.32 |
| Seismology..... | 1,100 | 1,230 | 1,242.10 |
| Statutory Salaries..... | --- | --- | --- |
| Erection of building at East Lansing, Michigan..... | --- | 38,000 | --- |
| Total, Out of Washington..... | 1,744,000 | 1,787,073 | 1,675,554.57 |
| Statutory Salaries..... | 160,290 | 162,190 | 161,750.50 |
| Total..... | \$1,904,290 | \$1,949,263 | \$1,837,305.07 |

WEATHER BUREAU

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures | Expended and Obligated 1926 |
|--|-------------------|---------------------------|--------------------------------------|
| <u>HORTICULTURAL PROTECTION:</u> | | | |
| Cold wave and agricultural warnings | \$27,500 | \$27,500 | \$24,086.99 |
| Statutory Salaries | 2,003 | 2,060 | 2,058.50 |
| Total | \$29,503 | \$29,560 | \$26,145.49 |

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WEATHER BUREAU

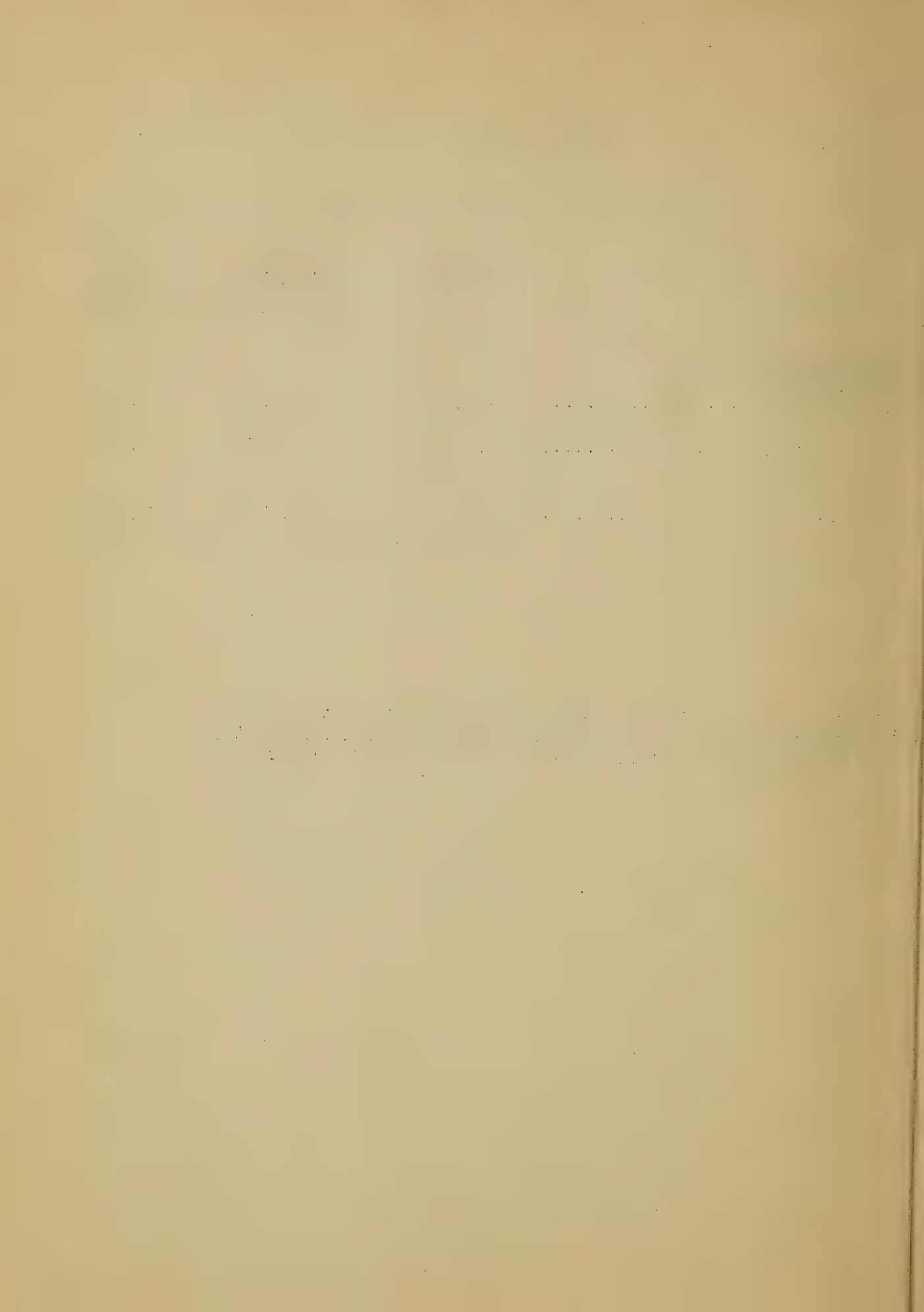
| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>TRAVELING EXPENSES:</u> | | | |
| Meteorological and forecast work | \$ 8,000 | \$ 8,160 | \$ 5,475.20 |
| Hurricane and storm warnings | 945 | 965 | 734.23 |
| Cold wave and agricultural warnings | 5,820 | 5,940 | 4,697.06 |
| Climatology and agricultural meteorology | 8,465 | 8,635 | 6,737.07 |
| River and flood, snow surveys and evaporation work | 2,745 | 2,805 | 2,220.39 |
| Aerological work | 6,255 | 4,625* | 1,109.26 |
| Marine work, including vessel reporting | 550 | 550 | 434.88 |
| Solar radiation | 220 | 220 | 177.17 |
| Total, Traveling Expenses..... | \$33,000 | \$31,900* | \$21,585.26 |

*Includes \$3,250, part of the \$75,000 provided in the Second Deficiency Act of July 3, 1926, for commercial airways aerological service authorized under Act of Congress approved May 20, 1926.

WEATHER BUREAU

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>INVESTIGATING ATMOSPHERIC PHENOMENA, ETC.</u> | | | |
| Aerological work..... | \$175,000 | \$176,150* | \$103,324.34 |
| Statutory Salaries..... | 16,677 | 16,877 | 16,810.92 |
| Total..... | \$191,677 | \$193,027* | \$120,135.26 |

*Includes \$71,750, part of the \$75,000 provided in the Second Deficiency Act of July 3, 1926, for commercial airways aerological service authorized under Act of Congress approved May 20, 1926.



WEATHER BUREAU

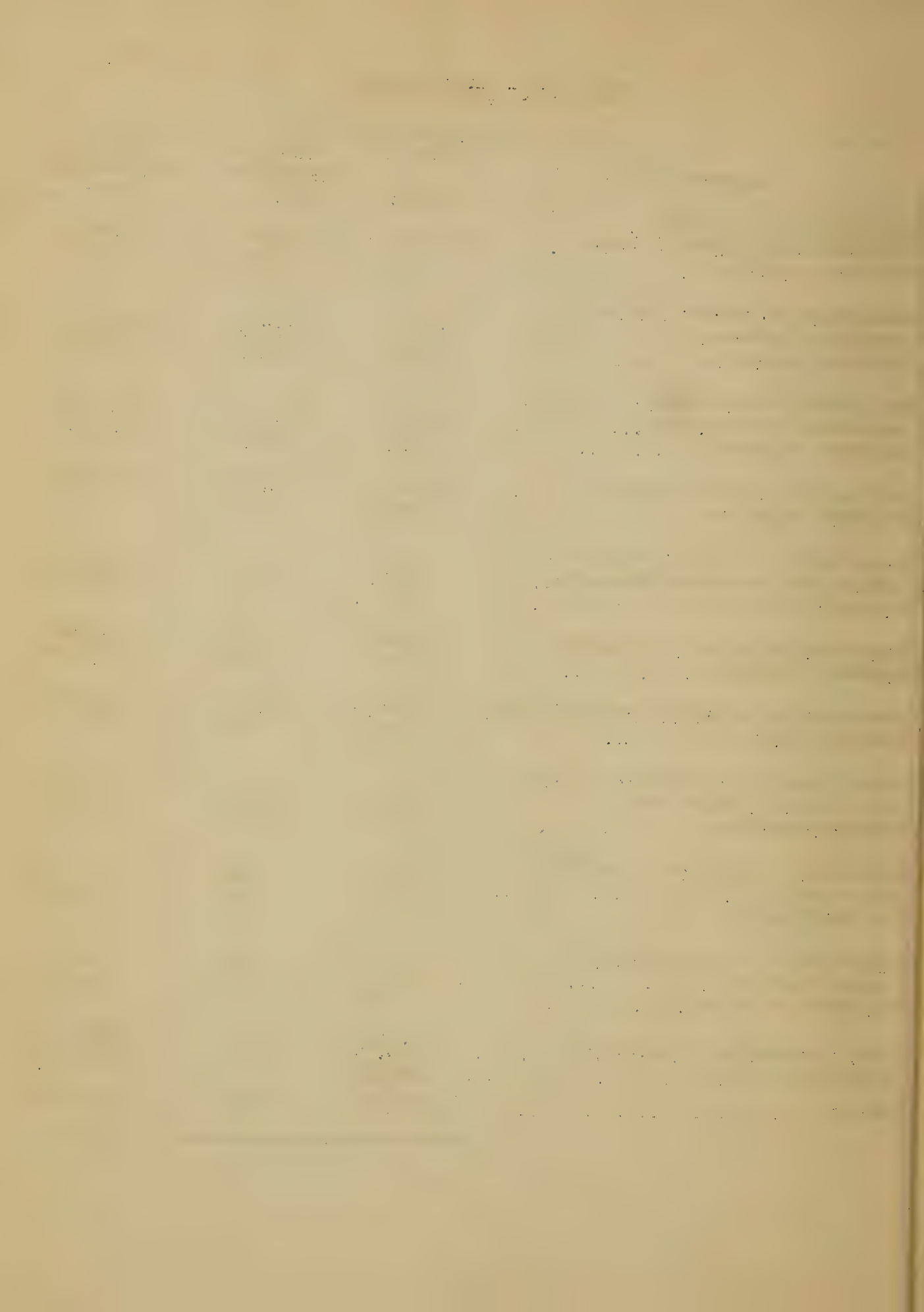
| Appropriations | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------------|-------------------|--|--------------------------------------|
| Total, Regular Appropriations | \$2,148,000 | \$2,191,123* | \$1,979,470.53 |
| Total, Statutory Salaries | 448,000 | 452,957 | 451,619.94 |
| Total, Weather Bureau | \$2,596,000 | \$2,644,080* | \$2,431,090.47 |

*Includes \$75,000 provided in the Second Deficiency Act of July 3, 1926, for commercial airways aerological service authorized under Act of Congress approved May 20, 1926.

1. *Phragmites australis* (Cav.) Trin. ex Steud.

BUREAU OF ANIMAL INDUSTRY

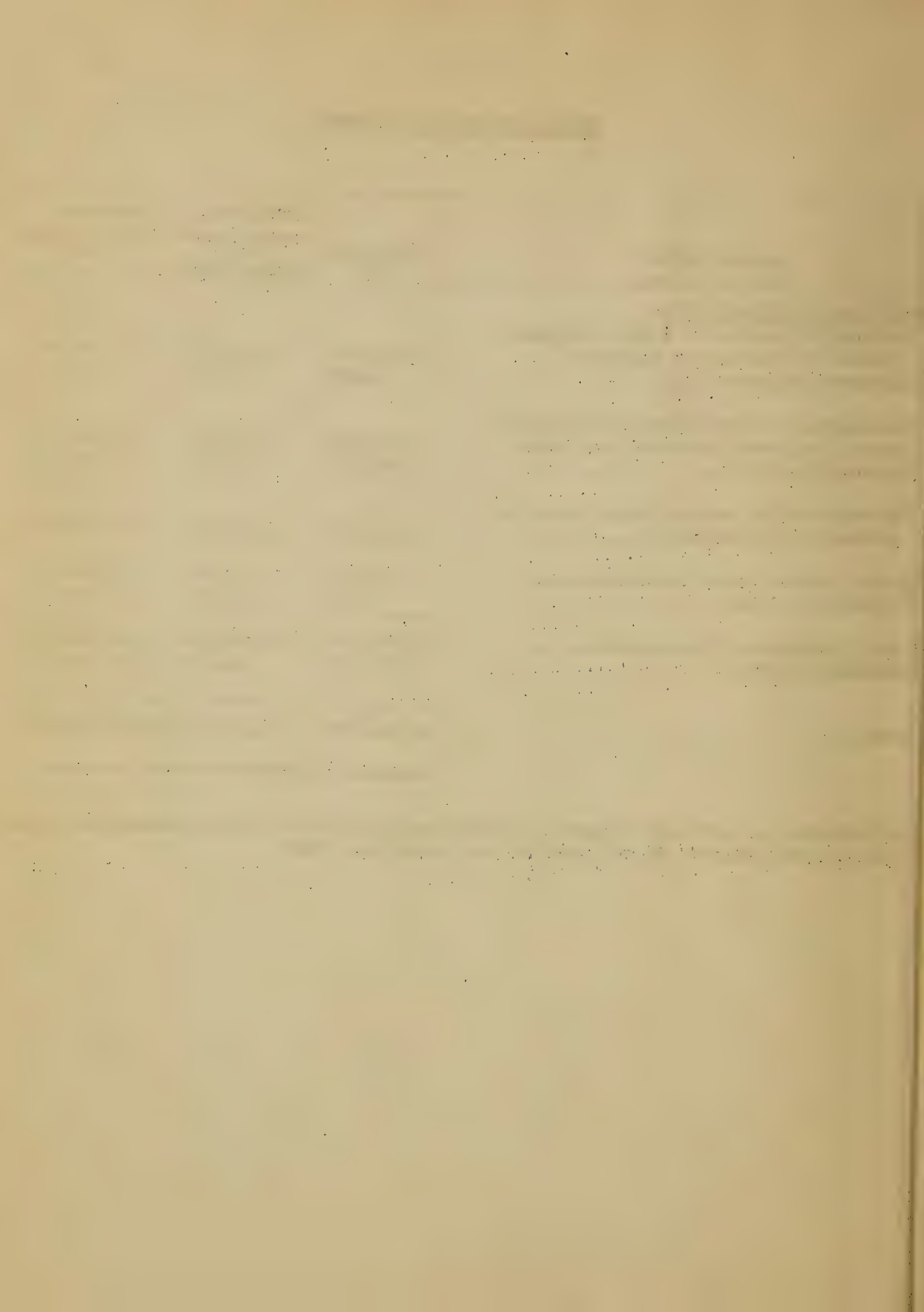
| Appropriation | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|-----------------------------------|
| INSPECTION AND QUARANTINE: | | | |
| Eradication of scabies in sheep..... | \$ 125,000 | \$ 125,000 | \$ 110,078.35 |
| Statutory salaries..... | 6,500 | 6,500 | 6,111.68 |
| Eradication of scabies (mange) in cattle and horses..... | 117,000 | 117,000 | 113,396.82 |
| Statutory salaries..... | 2,300 | 2,300 | 2,311.19 |
| Supervision over interstate trans- portation of livestock..... | 216,000 | 216,000 | 211,096.92 |
| Statutory salaries..... | 21,185 | 21,185 | 21,461.59 |
| Enforcement of the 28 hour law..... | 27,500 | 27,500 | 26,971.82 |
| Statutory salaries..... | 3,650 | 3,650 | 4,012.58 |
| Inspection and mallein testing of horses for interstate shipment..... | 2,500 | 2,500 | 2,219.33 |
| Statutory salaries..... | 4,250 | 4,250 | 3,857.51 |
| Inspection of animals for import..... | 68,500 | 63,500 | 58,716.47 |
| Statutory salaries..... | 3,850 | 3,850 | 2,976.96 |
| Quarantine of animals at ports of entry | 21,750 | 21,750 | 21,115.83 |
| Statutory salaries..... | 1,850 | 1,850 | 1,536.99 |
| Supervision of importation of animals by-products, forage, etc..... | 55,000 | 50,000 | 37,995.74 |
| Statutory salaries..... | 5,750 | 5,750 | 5,463.27 |
| Inspection and testing of animals for export..... | 3,500 | 3,500 | 1,775.78 |
| Statutory salaries..... | 300 | 300 | 288.98 |
| Inspection of vessels carrying export animals..... | 3,250 | 3,250 | 1,986.28 |
| Statutory salaries..... | 300 | 300 | 288.99 |
| Total, Inspection & Quarantine..... | 640,000 | 630,000 | 585,353.34 |
| Statutory salaries..... | 49,935 | 49,935 | 48,309.74 |
| Total..... | 689,935 | 679,935 | 633,663.08 |



BUREAU OF ANIMAL INDUSTRY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|-----------------------------------|
| ERADICATING TUBERCULOSIS: | | | |
| Tuberculin testing of cattle at public yards for interstate shipment..... | \$ 50,000 | \$ 50,000 | \$ 47,886.40 |
| Statutory salaries..... | 7,250 | 7,250 | 7,105.06 |
| Eradicating tuberculosis from herds of cattle and from circumscribed areas..... | 907,500 | 907,500 | 892,254.51 |
| Statutory salaries..... | 96,000 | 98,150 | 97,709.81 |
| Indemnities for animals slaughtered on account of tuberculosis | 4,025.000 | 3,055.000 | 3,158,225.45 |
| Animal tuberculosis investigations..... | 17,500 | 17,500 | 16,089.07 |
| Statutory salaries..... | 7,750 | 7,750 | 7,606.66 |
| Total, Eradicating Tuberculosis..... | 5,000,000 | (a)4,030,000 | 4,114,455.43 |
| Statutory Salaries..... | 111,000 | 113,150 | 112,421.53 |
| Total..... | 5,111,000 | (a)4,143,150 | 4,226,876.96 |

(a) Exclusive of \$623,000 expended in 1926 from the \$750,000 made immediately available for this purpose in the Act for the fiscal year 1927.



BUREAU OF ANIMAL INDUSTRY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|----------------------------------|-------------------|-----------------------------------|-----------------------------------|
| <u>ERADICATING CATTLE TICKS:</u> | | | |
| Eradication of cattle ticks..... | \$ 675,000 | \$ 699,450 | \$ 603,132.31 |
| Statutory salaries..... | 37,390 | 37,390 | 35,559.35 |
| Total..... | 712,390 | 736,840 | 638,691.66 |

1. *Chlorophyll a* (Chl *a*) and *Chlorophyll b* (Chl *b*) were determined by the method of Arar and Collins (1971). The concentration of Chl *a* and Chl *b* was expressed as $\mu\text{g mL}^{-1}$ of the sample.

39

BUREAU OF ANIMAL INDUSTRY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| ANIMAL HUSBANDRY INVESTIGATIONS: | | | |
| Swine investigations..... | \$ 45,380 | \$ 45,380 | \$ 44,881.45 |
| Statutory salaries..... | 11,880 | 11,880 | 11,862.38 |
| Sheep and goat investigations..... | 70,635 | 70,635 | 70,135.87 |
| Statutory salaries..... | 10,000 | 10,000 | 10,018.82 |
| Horse and mule investigations..... | 27,378 | 27,378 | 27,703.30 |
| Statutory salaries..... | 9,100 | 9,100 | 9,024.93 |
| Genetic Research..... | 15,089 | 15,089 | 14,348.80 |
| Statutory salaries..... | 3,750 | 3,750 | 3,781.42 |
| Beltsville Farm..... | 40,290 | 40,290 | 36,328.77 |
| Statutory salaries..... | 7,450 | 7,450 | 7,369.98 |
| Beef cattle investigations..... | 74,601 | 59,681 | 65,712.14 |
| Statutory salaries..... | 2,900 | 2,900 | 2,881.53 |
| Certification of pedigrees..... | 2,462 | 2,462 | 2,462.68 |
| Statutory salaries..... | 3,400 | 3,400 | 3,341.29 |
| Poultry investigations..... | 57,085 | 57,085 | 55,640.97 |
| Statutory salaries..... | 12,130 | 12,130 | 12,350.93 |
| Nutrition research..... | 22,022 | 22,022 | 22,223.42 |
| Statutory salaries..... | 1,800 | 1,800 | 1,760.93 |
| Meat investigations..... | 10,058 | 10,058 | 8,423.14 |
| Statutory salaries..... | 1,760 | 1,760 | 1,699.36 |
| Total, Animal Husbandry Investigations | 365,000 | 350,080 | 347,860.54 |
| Statutory salaries..... | 64,170 | 64,170 | 64,091.57 |
| Total..... | 429,170 | 414,250 | 411,952.11 |

THE HISTORY OF THE
CITY OF BOSTON

| | | | | |
|------|------|------|------|------|
| 1630 | 1631 | 1632 | 1633 | 1634 |
| 1635 | 1636 | 1637 | 1638 | 1639 |
| 1640 | 1641 | 1642 | 1643 | 1644 |
| 1645 | 1646 | 1647 | 1648 | 1649 |
| 1650 | 1651 | 1652 | 1653 | 1654 |
| 1655 | 1656 | 1657 | 1658 | 1659 |
| 1660 | 1661 | 1662 | 1663 | 1664 |
| 1665 | 1666 | 1667 | 1668 | 1669 |
| 1670 | 1671 | 1672 | 1673 | 1674 |
| 1675 | 1676 | 1677 | 1678 | 1679 |
| 1680 | 1681 | 1682 | 1683 | 1684 |
| 1685 | 1686 | 1687 | 1688 | 1689 |
| 1690 | 1691 | 1692 | 1693 | 1694 |
| 1695 | 1696 | 1697 | 1698 | 1699 |
| 1700 | 1701 | 1702 | 1703 | 1704 |
| 1705 | 1706 | 1707 | 1708 | 1709 |
| 1710 | 1711 | 1712 | 1713 | 1714 |
| 1715 | 1716 | 1717 | 1718 | 1719 |
| 1720 | 1721 | 1722 | 1723 | 1724 |
| 1725 | 1726 | 1727 | 1728 | 1729 |
| 1730 | 1731 | 1732 | 1733 | 1734 |
| 1735 | 1736 | 1737 | 1738 | 1739 |
| 1740 | 1741 | 1742 | 1743 | 1744 |
| 1745 | 1746 | 1747 | 1748 | 1749 |
| 1750 | 1751 | 1752 | 1753 | 1754 |
| 1755 | 1756 | 1757 | 1758 | 1759 |
| 1760 | 1761 | 1762 | 1763 | 1764 |
| 1765 | 1766 | 1767 | 1768 | 1769 |
| 1770 | 1771 | 1772 | 1773 | 1774 |
| 1775 | 1776 | 1777 | 1778 | 1779 |
| 1780 | 1781 | 1782 | 1783 | 1784 |
| 1785 | 1786 | 1787 | 1788 | 1789 |
| 1790 | 1791 | 1792 | 1793 | 1794 |
| 1795 | 1796 | 1797 | 1798 | 1799 |
| 1800 | 1801 | 1802 | 1803 | 1804 |
| 1805 | 1806 | 1807 | 1808 | 1809 |
| 1810 | 1811 | 1812 | 1813 | 1814 |
| 1815 | 1816 | 1817 | 1818 | 1819 |
| 1820 | 1821 | 1822 | 1823 | 1824 |
| 1825 | 1826 | 1827 | 1828 | 1829 |
| 1830 | 1831 | 1832 | 1833 | 1834 |
| 1835 | 1836 | 1837 | 1838 | 1839 |
| 1840 | 1841 | 1842 | 1843 | 1844 |
| 1845 | 1846 | 1847 | 1848 | 1849 |
| 1850 | 1851 | 1852 | 1853 | 1854 |
| 1855 | 1856 | 1857 | 1858 | 1859 |
| 1860 | 1861 | 1862 | 1863 | 1864 |
| 1865 | 1866 | 1867 | 1868 | 1869 |
| 1870 | 1871 | 1872 | 1873 | 1874 |
| 1875 | 1876 | 1877 | 1878 | 1879 |
| 1880 | 1881 | 1882 | 1883 | 1884 |
| 1885 | 1886 | 1887 | 1888 | 1889 |
| 1890 | 1891 | 1892 | 1893 | 1894 |
| 1895 | 1896 | 1897 | 1898 | 1899 |
| 1900 | 1901 | 1902 | 1903 | 1904 |
| 1905 | 1906 | 1907 | 1908 | 1909 |
| 1910 | 1911 | 1912 | 1913 | 1914 |
| 1915 | 1916 | 1917 | 1918 | 1919 |
| 1920 | 1921 | 1922 | 1923 | 1924 |
| 1925 | 1926 | 1927 | 1928 | 1929 |
| 1930 | 1931 | 1932 | 1933 | 1934 |
| 1935 | 1936 | 1937 | 1938 | 1939 |
| 1940 | 1941 | 1942 | 1943 | 1944 |
| 1945 | 1946 | 1947 | 1948 | 1949 |
| 1950 | 1951 | 1952 | 1953 | 1954 |
| 1955 | 1956 | 1957 | 1958 | 1959 |
| 1960 | 1961 | 1962 | 1963 | 1964 |
| 1965 | 1966 | 1967 | 1968 | 1969 |
| 1970 | 1971 | 1972 | 1973 | 1974 |
| 1975 | 1976 | 1977 | 1978 | 1979 |
| 1980 | 1981 | 1982 | 1983 | 1984 |
| 1985 | 1986 | 1987 | 1988 | 1989 |
| 1990 | 1991 | 1992 | 1993 | 1994 |
| 1995 | 1996 | 1997 | 1998 | 1999 |
| 2000 | 2001 | 2002 | 2003 | 2004 |
| 2005 | 2006 | 2007 | 2008 | 2009 |
| 2010 | 2011 | 2012 | 2013 | 2014 |
| 2015 | 2016 | 2017 | 2018 | 2019 |
| 2020 | 2021 | 2022 | 2023 | 2024 |

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|-----------------------------------|
| DISEASES OF ANIMALS: | | | |
| Miscellaneous pathological investigations..... | \$ 10,500 | \$ 10,500 | \$ 10,286.34 |
| Statutory salaries..... | 4,100 | 4,100 | 3,820.00 |
| Miscellaneous biological investigations..... | 10,900 | 10,900 | 10,819.18 |
| Statutory salaries..... | 2,425 | 2,425 | 2,290.62 |
| Investigation of contagious abortion of animals..... | 29,275 | 29,275 | 23,650.90 |
| Statutory salaries..... | 10,625 | 10,625 | 9,169.42 |
| Index, catalog, and collection of parasites..... | 5,000 | 5,000 | 4,333.28 |
| Statutory salaries..... | 1,950 | 1,950 | 1,860.00 |
| Investigation of round worms in sheep | 16,410 | 16,410 | 16,760.92 |
| Statutory salaries..... | 4,700 | 4,700 | 3,945.92 |
| Investigation of anthelmintics treatment of live stock for external parasites..... | 3,550 | 3,550 | 2,840.31 |
| Investigation of mange mites and other external parasites..... | 6,800 | 6,800 | 5,141.89 |
| Misc. investigation of animal parasites, their control & eradication. | 5,825 | 5,825 | 5,409.15 |
| Statutory salaries..... | 1,100 | 1,100 | 1,080.00 |
| Investigation of internal parasites of hogs..... | 9,250 | 9,250 | 8,740.73 |
| General maintenance of Bethesda Experiment Station..... | 7,150 | 7,150 | 5,939.36 |
| Statutory salaries..... | 7,625 | 7,625 | 7,200.00 |
| Breeding & feeding small experiment animals for disease research..... | 4,750 | 4,750 | 4,012.60 |
| Statutory salaries..... | 400 | 400 | - - - - |
| Investigation of stock poisoning by plants..... | 16,450 | 16,450 | 15,654.08 |
| Statutory salaries..... | 3,975 | 3,975 | 3,465.75 |
| Total, Diseases of Animals..... | 125,860 | 125,860 | 113,588.73 |
| Statutory salaries..... | 36,900 | 36,900 | 32,831.71 |
| Total..... | 162,760 | 162,760 | 146,420.44 |

BUREAU OF ANIMAL INDUSTRY

| Appropriation and project | : Estimated : 1928 | : Estimated : expenditures : 1927 | : Expended : and obligated : 1926 |
|---|-----------------------|---|---|
| <u>ERADICATING HOG CHOLERA:</u> | : | : | : |
| Hog cholera control looking to eradication. | : \$163,185 | : \$166,448 | : \$138,091.20 |
| Statutory salaries | : 10,035 | : 10,035 | : 9,370.04 |
| Investigation of methods of producing immunization against hog cholera . . . | : 10,500 | : 10,500 | : 11,185.33 |
| Statutory salaries | : 1,970 | : 1,970 | : 1,802.74 |
| Investigation of cause of hog cholera . . | : 350 | : 350 | : 174.19 |
| Investigation of mode of dissemination: of hog cholera | : 14,970 | : 14,970 | : 12,178.61 |
| Statutory salaries | : 1,200 | : 1,200 | : 1,186.84 |
| Control of manufacture, importation, and equipment of viruses, serums, toxins, etc. | : 235,995 | : 235,995 | : 215,824.40 |
| Statutory salaries | : 13,115 | : 13,115 | : 12,582.00 |
| Total, Eradicating hog cholera. . . . | : 425,000 | : 428,263 | : 377,453.73 |
| Statutory salaries | : 26,320 | : 26,320 | : 24,941.62 |
| Total. | : 451,320 | : 454,583 | : 402,395.35 |



BUREAU OF ANIMAL INDUSTRY

25

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|-------------------------------|-------------------|-----------------------------------|-----------------------------------|
| <u>ERADICATING DOUBINE:</u> | | | |
| Eradicating dourine..... | \$ 25,000 | \$ 30,000 | \$ 28,667.68 |
| Statutory salaries..... | 1,970 | 1,970 | 1,415.57 |
| Total..... | 26,970 | 31,970 | 30,083.25 |

BUREAU OF ANIMAL INDUSTRY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---------------------------------|-------------------|-----------------------------------|-----------------------------------|
| <u>ADMINISTRATIVE EXPENSES:</u> | | | |
| General administrative..... | \$ 24,000 | \$ 24,000 | \$ 23,440.32 |
| Statutory salaries..... | 122,315 | 126,681 | 123,672.96 |
| Total..... | 146,315 | 150,681 | 147,113.28 |

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

BUREAU OF ANIMAL INDUSTRY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| MEAT INSPECTION: | | | |
| Special supervisory inspection..... | \$ 25,000 | \$ 25,000 | \$ 23,118.80 |
| Laboratory inspection..... | 70,000 | 70,000 | 66,742.32 |
| Statutory salaries..... | 15,125 | 15,125 | 15,932.07 |
| Ante mortem inspection of animals for slaughter..... | 245,000 | 245,000 | 245,390.01 |
| Statutory salaries..... | 12,350 | 12,350 | 11,703.37 |
| Post Mortem inspection of animals | 2,234,530 | 2,234,530 | 2,258,894.29 |
| Statutory salaries..... | 65,000 | 65,000 | 64,583.77 |
| Supervision of preparation and distribution of meats and meat- food products..... | 2,262,180 | 2,262,180 | 2,207,008.88 |
| Statutory salaries..... | 82,220 | 86,704 | 86,592.17 |
| Inspection at public markets..... | 12,000 | 12,000 | 7,842.44 |
| Statutory salaries..... | 300 | 300 | 149.91 |
| Supervision of operations conduct- ed under certificate of exemp- tion..... | 3,000 | 3,000 | 1,919.67 |
| Statutory salaries..... | 2,490 | 2,490 | 2,257.66 |
| Examination of imported meats and meat-food products..... | 15,000 | 15,000 | 15,356.95 |
| Statutory salaries..... | 2,515 | 2,515 | 2,485.78 |
| Investigation of wholesomeness and nutritive value of viscera..... | 12,500 | 12,500 | 11,360.23 |
| Investigations of pathological conditions noted during meat inspection..... | 13,900 | 13,900 | 9,295.81 |
| Zoological investigations relating to meat inspection..... | 3,000 | 3,000 | 2,762.50 |
| Total, Meat inspection..... | 4,896,110 | 4,896,110 | 4,849,691.90 |
| Statutory salaries..... | 180,000 | 184,484 | 183,704.73 |
| | (a) | (a) | (a) |
| Total..... | 5,076,110 | 5,080,594 | 5,033,396.63 |

(a) Includes \$3,000,000 permanent specific appropriation.

TOTALS, BUREAU OF ANIMAL INDUSTRY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---------------------------------------|-------------------|--|-----------------------------------|
| | (a) | (a) (b) | (a) |
| Total, Lump Fund Appropriations..... | \$12,175,970 | \$11,213,763 | \$11,043,643.98 |
| Total, Statutory Salaries..... | 630,000 | 641,000 | 626,948.78 |
| | (a) | (a) (b) | (a) |
| Total, Bureau of Animal Industry..... | 12,805,970 | 11,854,763 | 11,670,592.76 |

(a) Includes \$3,000,000 permanent specific appropriation.

(b) Exclusive of \$623,000, expended in 1926 from the \$750,000 made immediately available in the Act for the fiscal year 1927 for "Tuberculosis Indemnities!"

BUREAU OF DAIRY INDUSTRY

| Appropriations and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|-----------------------------------|
| <u>GENERAL EXPENSES BUREAU OF DAIRY INDUSTRY</u> | | | |
| Administration..... | \$31,980 | \$31,980 | \$28,081.90 |
| Statutory Salaries..... | 30,315 | 30,315 | 34,124.83 |
| Dairy Manufacturing Investigations.... | 54,065 | 54,065 | 54,288.23 |
| Statutory Salaries..... | 1,560 | 1,560 | 1,530.00 |
| Milk Utilization..... | 12,400 | 12,400 | 12,069.43 |
| Statutory Salaries..... | 3,060 | 3,060 | 3,030.00 |
| Dairy Herd Improvement..... | 35,600 | 35,600 | 33,282.76 |
| Statutory Salaries..... | 17,220 | 17,220 | 13,712.99 |
| Renovated Butter Inspection..... | 2,150 | 2,150 | 1,404.37 |
| Statutory Salaries..... | --- | --- | --- |
| Dairy Cattle Breeding..... | 33,700 | 30,300 | 25,295.04 |
| Statutory Salaries..... | 9,240 | 9,240 | 6,320.59 |
| Ice Cream Investigations..... | 15,610 | 11,410 | 7,061.52 |
| Statutory Salaries..... | --- | --- | 960.00 |
| Butter and By-Products..... | 18,505 | 18,505 | 26,189.74 |
| Statutory Salaries..... | 2,100 | 2,100 | 1,913.33 |
| Condensed Milk and Milk Powder..... | 29,850 | 27,610 | 17,558.61 |
| Statutory Salaries..... | 1,335 | 1,335 | 995.00 |
| Bacteriology and Chemistry of Milk.... | 16,620 | 14,220 | 9,421.76 |
| Statutory Salaries..... | --- | --- | 1,875.00 |
| Nutrition of Dairy Cows..... | 30,566 | 28,706 | 29,439.15 |
| Statutory Salaries..... | 720 | 720 | 720.00 |
| Cheese Manufacturing Investigations... | 22,420 | 22,420 | 19,113.46 |
| Statutory Salaries..... | 900 | 900 | 995.00 |
| Dairy Sanitation Research..... | 11,850 | 11,850 | 11,402.72 |
| Statutory Salaries..... | 810 | 810 | 810.00 |
| Milk Plant Management..... | 11,600 | 11,600 | 10,137.17 |
| Statutory Salaries..... | 540 | 540 | 540.00 |

THE HISTORY OF THE CITY OF BOSTON

| | | | |
|------|------|------|------|
| 1630 | 1631 | 1632 | 1633 |
| 1634 | 1635 | 1636 | 1637 |
| 1638 | 1639 | 1640 | 1641 |
| 1642 | 1643 | 1644 | 1645 |
| 1646 | 1647 | 1648 | 1649 |
| 1650 | 1651 | 1652 | 1653 |
| 1654 | 1655 | 1656 | 1657 |
| 1658 | 1659 | 1660 | 1661 |
| 1662 | 1663 | 1664 | 1665 |
| 1666 | 1667 | 1668 | 1669 |
| 1670 | 1671 | 1672 | 1673 |
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| 1682 | 1683 | 1684 | 1685 |
| 1686 | 1687 | 1688 | 1689 |
| 1690 | 1691 | 1692 | 1693 |
| 1694 | 1695 | 1696 | 1697 |
| 1698 | 1699 | 1700 | 1701 |
| 1702 | 1703 | 1704 | 1705 |
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| 1726 | 1727 | 1728 | 1729 |
| 1730 | 1731 | 1732 | 1733 |
| 1734 | 1735 | 1736 | 1737 |
| 1738 | 1739 | 1740 | 1741 |
| 1742 | 1743 | 1744 | 1745 |
| 1746 | 1747 | 1748 | 1749 |
| 1750 | 1751 | 1752 | 1753 |
| 1754 | 1755 | 1756 | 1757 |
| 1758 | 1759 | 1760 | 1761 |
| 1762 | 1763 | 1764 | 1765 |
| 1766 | 1767 | 1768 | 1769 |
| 1770 | 1771 | 1772 | 1773 |
| 1774 | 1775 | 1776 | 1777 |
| 1778 | 1779 | 1780 | 1781 |
| 1782 | 1783 | 1784 | 1785 |
| 1786 | 1787 | 1788 | 1789 |
| 1790 | 1791 | 1792 | 1793 |
| 1794 | 1795 | 1796 | 1797 |
| 1798 | 1799 | 1800 | 1801 |
| 1802 | 1803 | 1804 | 1805 |
| 1806 | 1807 | 1808 | 1809 |
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| 1814 | 1815 | 1816 | 1817 |
| 1818 | 1819 | 1820 | 1821 |
| 1822 | 1823 | 1824 | 1825 |
| 1826 | 1827 | 1828 | 1829 |
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| 1834 | 1835 | 1836 | 1837 |
| 1838 | 1839 | 1840 | 1841 |
| 1842 | 1843 | 1844 | 1845 |
| 1846 | 1847 | 1848 | 1849 |
| 1850 | 1851 | 1852 | 1853 |
| 1854 | 1855 | 1856 | 1857 |
| 1858 | 1859 | 1860 | 1861 |
| 1862 | 1863 | 1864 | 1865 |
| 1866 | 1867 | 1868 | 1869 |
| 1870 | 1871 | 1872 | 1873 |
| 1874 | 1875 | 1876 | 1877 |
| 1878 | 1879 | 1880 | 1881 |
| 1882 | 1883 | 1884 | 1885 |
| 1886 | 1887 | 1888 | 1889 |
| 1890 | 1891 | 1892 | 1893 |
| 1894 | 1895 | 1896 | 1897 |
| 1898 | 1899 | 1900 | 1901 |
| 1902 | 1903 | 1904 | 1905 |
| 1906 | 1907 | 1908 | 1909 |
| 1910 | 1911 | 1912 | 1913 |
| 1914 | 1915 | 1916 | 1917 |
| 1918 | 1919 | 1920 | 1921 |
| 1922 | 1923 | 1924 | 1925 |
| 1926 | 1927 | 1928 | 1929 |
| 1930 | 1931 | 1932 | 1933 |
| 1934 | 1935 | 1936 | 1937 |
| 1938 | 1939 | 1940 | 1941 |
| 1942 | 1943 | 1944 | 1945 |
| 1946 | 1947 | 1948 | 1949 |
| 1950 | 1951 | 1952 | 1953 |
| 1954 | 1955 | 1956 | 1957 |
| 1958 | 1959 | 1960 | 1961 |
| 1962 | 1963 | 1964 | 1965 |
| 1966 | 1967 | 1968 | 1969 |
| 1970 | 1971 | 1972 | 1973 |
| 1974 | 1975 | 1976 | 1977 |
| 1978 | 1979 | 1980 | 1981 |
| 1982 | 1983 | 1984 | 1985 |
| 1986 | 1987 | 1988 | 1989 |
| 1990 | 1991 | 1992 | 1993 |
| 1994 | 1995 | 1996 | 1997 |
| 1998 | 1999 | 2000 | 2001 |
| 2002 | 2003 | 2004 | 2005 |
| 2006 | 2007 | 2008 | 2009 |
| 2010 | 2011 | 2012 | 2013 |
| 2014 | 2015 | 2016 | 2017 |
| 2018 | 2019 | 2020 | 2021 |
| 2022 | 2023 | 2024 | 2025 |

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| <u>GENERAL EXPENSES BUREAU OF DAIRY INDUSTRY con't</u> | | | |
| Market Milk and Cream..... | \$ 8,550 | \$ 8,550 | \$ 8,264.64 |
| Statutory Salaries..... | 270 | 270 | 270.00 |
| Supervision and Maintenance, Beltsville Experiment Farm..... | 94,778 | 87,178 | 110,246.00 |
| Statutory Salaries..... | 6,180 | 6,180 | 6,345.26 |
| Total, General Expenses, Bureau of Dairy Industry..... | 430,244 | 408,544 | 403,256.50 |
| Statutory Salaries..... | 74,250 | 74,250 | 74,142.00 |
| Total..... | \$504,494 | \$482,794 | \$477,398.50 |

BUREAU OF DAIRY INDUSTRY

| Appropriation and projects | Estimated: | Estimated | Expended |
|--|----------------|-----------------|---------------|
| | : expenditures | : and obligated | |
| | : 1928 | : 1927 | : 1926 |
| <u>FIELD STATION, WOODWARD, OKLAHOMA</u> | : \$12,300 | : \$12,300 | : \$12,286.40 |
| | : | : | : |

TOTALS, BUREAU OF DAIRY INDUSTRY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|-------------------------------------|-------------------|--|-----------------------------------|
| Total, Lump Fund Appropriation..... | \$442,544 | \$420,844 | \$415,542.90 |
| Total, Statutory Salaries..... | 74,250 | 74,250 | 74,142.00 |
| Total, Bureau of Dairy Industry.... | \$516,794 | \$495,094 | \$489,684.90 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------------|-------------------|--|--------------------------------------|
| <u>PATHOLOGICAL LABORATORY:</u> | | | |
| Laboratory of Plant Pathology..... | 47,820 | 47,820 | 44,103.54 |
| Statutory salaries..... | 5,580 | 5,580 | 5,540.00 |
| Disease Survey..... | 29,300 | 30,300 | 19,527.18 |
| Statutory salaries..... | 6,924 | 6,924 | 8,753.34 |
| Mycology..... | 11,880 | 11,880 | 11,631.22 |
| Statutory salaries..... | 5,460 | 5,460 | 5,460.00 |
| Total, Pathological Laboratory..... | 89,000 | 90,000 | 75,261.94 |
| Total, Statutory salaries..... | 17,964 | 17,964 | 19,553.34 |
| Total | 106,964 | 107,964 | 94,815.28 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---------------------------------|-------------------|--|--------------------------------------|
| <u>FRUIT DISEASES:</u> | | | |
| Fruit Disease Investigations... | \$135,325.00 | \$135,325.00 | \$128,146.20 |
| Salaries..... | 7,380.00 | 7,380.00 | 7,337.50 |
| Total..... | \$142,705.00 | \$142,705.00 | \$135,483.70 |

BUREAU OF PLANT INDUSTRY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-----------------------------------|-------------------|--|--------------------------------------|
| <u>CITRUS CANCER ERADICATION:</u> | | | |
| Eradicating Citrus Canker..... | \$45,000 | \$48,630 | \$38,734.50 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|--------------------------------------|
| <u>FOREST PATHOLOGY:</u> | | | |
| Investigations of diseases of Forest, shade, park and street trees..... | \$120,000 | \$108,095 | \$107,724.01 |
| Statutory Salaries..... | 11,160 | 11,160 | 11,899.99 |
| Totals..... | \$131,160 | \$119,255 | \$119,624.00 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriations | Expended and Obligated 1926 |
|------------------------------|-------------------|---|--------------------------------------|
| <u>BLISTER RUST CONTROL:</u> | | | |
| Blister rust control..... | \$368,280 | \$368,280 | \$334,379.92 |
| Statutory Salaries..... | 3,240 | 5,000 | 6,047.33 |
| Total..... | \$371,520 | \$373,280 | \$340,427.25 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriations | Expended and obligated 1926 |
|--|-------------------|---|--------------------------------------|
| <u>COTTON AND TRUCK DISEASES:</u> | | | |
| Cotton, Truck and Forage Crop Diseases | \$139,450 | \$139,450 | \$124,876.39 |
| Statutory Salaries..... | 11,120 | 11,120 | 10,057.68 |
| Total..... | \$150,570 | \$150,570 | \$134,934.07 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--------------------------------|-------------------|--|--------------------------------------|
| <u>CROP PHYSIOLOGY:</u> | | | |
| Crop Physiology and Breeding.. | \$72,000.00 | \$72,000.00 | \$70,168.50 |
| Statutory Salaries..... | 8,160.00 | 9,660.00 | 10,147.00 |
| Total..... | \$80,160.00 | \$81,660.00 | \$80,315.50 |

BUREAU OF PLANT INDUSTRY

| Appropriation and Projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|-----------------------------------|
| <u>PLANT NUTRITION INVESTIGATIONS:</u> | | | |
| Plant nutrition investigations including length of day on plants..... | \$16,780 | \$16,780 | \$17,552.34 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>CROP ACCLIMATIZATION:</u> | | | |
| Crop acclimatization and Adaptation.... | \$119,162 | \$119,162 | \$119,104.42 |
| Statutory Salaries..... | 2,760 | 2,760 | 4,448.50 |
| Fiber plants..... | 25,758 | 25,758 | 24,361.73 |
| Statutory salaries..... | 1,740 | 1,740 | 1,740.00 |
| Rubber production investigations..... | 50,000 | 50,000 | 49,973.59 |
| Statutory Salaries..... | 1,380 | 1,380 | 500.00 |
| Total, Crop Acclimatization..... | 194,920 | 194,920 | 193,439.74 |
| Total, Statutory Salaries..... | 5,880 | 5,880 | 6,688.50 |
| Total..... | 200,800 | 200,800 | 200,128.24 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------------|-------------------|--|--------------------------------------|
| <u>DRUG AND OTHER PLANTS:</u> | | | |
| Drug, poisonous and oil plants..... | \$27,226 | \$27,226 | \$20,945.61 |
| Statutory salaries..... | 10,140 | 10,140 | 9,445.33 |
| Plant geography and physiology..... | 17,774 | 19,186 | 18,749.89 |
| Statutory salaries..... | 6,020 | 6,020 | 7,553.33 |
| Total, Drug and other plants..... | 45,000 | 46,412 | 39,695.50 |
| Total, Statutory salaries..... | 16,160 | 16,160 | 16,998.66 |
| Total..... | 61,160 | 62,572 | 56,694.16 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>CROP TECHNOLOGY:</u> | | | |
| Investigations in nematology and agricultural technology..... | \$49,420 | \$49,420 | \$47,353.71 |
| Statutory salaries..... | 4,920 | 4,920 | 4,574.97 |
| Total..... | 54,340 | 54,340 | 51,928.68 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-----------------------------------|-------------------|--|--------------------------------------|
| <u>SEED TESTING LABORATORIES:</u> | | | |
| Seed testing..... | \$57,298 | \$57,298 | \$54,315 |
| Statutory salaries..... | 7,240 | 7,240 | 7,110 |
| Total..... | 64,538 | 64,538 | 61,425 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>CEREAL INVESTIGATIONS:</u> | | | |
| Production and improvement of cereal crops and the investigation and control of diseases affecting them..... | \$320,000 | \$324,340 | \$318,288.46 |
| Statutory Salaries..... | 39,000 | 40,000 | 40,048.93 |
| Barberry eradication..... | 350,000 | 375,000 | 367,331.67 |
| Statutory salaries..... | - - - - | - - - | 3,060.00 |
| Total, Cereal Investigations..... | 670,000 | 699,340 | 685,620.13 |
| Total, Statutory Salaries..... | 39,000 | 40,000 | 43,108.93 |
| Total..... | 709,000 | 739,340 | 728,729.06 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--------------------------------|-------------------|--|--------------------------------------|
| <u>TOBACCO INVESTIGATIONS:</u> | | | |
| Tobacco investigations..... | \$53,320 | \$53,220 | \$48,912.28 |
| Statutory Salaries..... | 5,520 | 5,520 | 5,405.00 |
| Total,..... | 58,740 | 58,740 | 54,317.28 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditure 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|---|--------------------------------------|
| <u>ALKALI AND DROUGHT RESISTANT CROPS:</u> | | | |
| Breeding and physiology of alkali and drought resistant plants..... | \$22,000 | \$22,193 | \$21,575.48 |
| Statutory Salaries..... | 1,920 | 1,920 | 1,860.00 |
| Totals..... | \$23,920 | \$24,113 | \$23,435.48 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---------------------------------|-------------------|--|--------------------------------------|
| <u>SUGAR PLANTS:</u> | | | |
| Sugar plant investigations..... | \$156,695 | \$156,695 | \$157,755.11 |
| Statutory salaries..... | 4,560 | 5,580 | 6,134.83 |
| Total..... | 161,255 | 162,275 | 163,889.94 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>ECONOMIC AND SYSTEMATIC BOTANY:</u> | | | |
| Economic and systematic botany..... | \$33,100 | \$35,500 | \$31,239.07 |
| Statutory salaries..... | 12,280 | 12,280 | 12,006.66 |
| Total..... | \$45,380 | \$47,780 | \$43,245.73 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>DRY LAND AGRICULTURE:</u> | | | |
| Methods of crop production under dry land conditions..... | \$199,330 | \$199,330 | \$198,069.48 |
| Statutory Salaries..... | 8,720 | 8,720 | 8,060.00 |
| Total..... | \$208,050 | \$208,050 | \$206,129.48 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>WESTERN IRRIGATION AGRICULTURE:</u> | | | |
| Western irrigation agriculture.... | \$107,475 | \$107,475 | \$106,404.45 |
| Stat. salaries..... | 1,620 | 1,620 | 1,638.00 |
| Total..... | \$109,095 | \$109,095 | \$108,042.45 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated Expenditures 1923 | Estimated Expenditures 1927 Appropriations | Expended and Obligated 1926 |
|--------------------------------|-----------------------------------|---|--------------------------------------|
| <u>NUT CULTURE:</u> | | | |
| Nut Investigations..... | \$27,300 | \$27,300 | \$26,561.54 |
| Statutory Salaries..... | 1,740 | 1,740 | 3,886.83 |
| Total..... | \$29,040 | \$29,040 | \$30,448.37 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>POMOLOGY:</u> | | | |
| Fruit Handling, transportation and storage investigations..... | \$51,675 | \$51,675 | \$51,334.20 |
| Statutory Salaries..... | 6,660 | 6,660 | 11,160.00 |
| Pomological Investigations..... | 107,325 | 107,325 | 95,970.19 |
| Statutory Salaries..... | 27,000 | 27,000 | 16,321.33 |
| Total Pomology..... | \$159,000 | \$159,000 | \$147,304.39 |
| Total Statutory Salaries... | 33,660 | 33,660 | 27,481.33 |
| Total..... | \$192,660 | \$192,660 | \$174,785.72 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>EXPERIMENTAL GARDENS AND GROUNDS:</u> | | | |
| General care of greenhouses and grounds.... | \$14,500 | \$14,500 | \$14,807.80 |
| Statutory Salaries..... | 75,000 | 75,000 | 74,601.48 |
| Total..... | 89,500 | 89,500 | 89,409.28 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated Expenditures | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|---------------------------|--|--------------------------------------|
| <u>HORTICULTURE:</u> | | | |
| Vegetable handling, trans- portation and storage investiga- tions..... | \$8,500 | \$8,500 | \$8,405.41 |
| Statutory Salaries..... | - - - - | - - - - | 3,888.17 |
| Horticultural Investigations | 87,000 | 79,500 | 77,496.34 |
| Statutory Salaries..... | 21,800 | 21,800 | 23,687.50 |
| Total, Horticulture | \$ 95,500 | \$88,000 | \$85,901.75 |
| Total, Statutory Salaries.. | 21,800 | 21,800 | 27,575.67 |
| TOTAL..... | \$117,300 | \$109,800 | \$113,477.42 |



BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated Expenditures | Estimated Expenditures 1927 Appropriation. | Expended and Obligated 1926 |
|--------------------------------------|---------------------------|--|--------------------------------------|
| <u>NURSERY STOCK INVESTIGATIONS:</u> | | | |
| Nursery stock investigations..... | \$ 20,000 | \$ 20,000 | \$ 19,705.29 |
| Statutory Salaries..... | 1,800 | 1,800 | 644.00 |
| TOTAL..... | \$ 21,800 | \$ 21,800 | \$ 20,349.29 |

BUREAU OF PLANT INDUSTRY.

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--------------------------------|-------------------|--|--------------------------------------|
| <u>ARLINGTON FARM:</u> | | | |
| Arlington experiment farm..... | \$27,000 | \$27,000 | \$26,405.00 |
| Statutory Salaries..... | 30,000 | 30,000 | 30,991.59 |
| Total..... | \$57,000 | \$57,000 | \$57,396.59 |

BUREAU OF PLANT INDUSTRY.

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>FOREIGN SEED AND PLANT INTRODUCTION:</u> | | | |
| Foreign Seed & Plant Introduction . . . | \$143,000 | \$143,000 | \$144,306.80 |
| Statutory Salaries | 39,300 | 39,300 | 40,320.54 |
| Total. | 182,300 | 182,300 | 184,627.34 |

BUREAU OF PLANT INDUSTRY.

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>FORAGE CROPS:</u> | | | |
| Forage crop investigations | \$100,000 | \$ 98,000 | \$99,358.60 |
| Statutory Salaries | 21,000 | 21,000 | 12,773.48 |
| Purchase and distribution of new and rare field seeds | - - - | - - - | 36,295.43 |
| Statutory Salaries | - - - | - - - | 8,357.00 |
| Total, Forage Crops. | 100,000 | 98,000 | 135,654.03 |
| Total, Statutory Salaries. | 21,000 | 21,000 | 21,130.48 |
| Total | 121,000 | 119,000 | 156,784.51 |

BUREAU OF PLANT INDUSTRY.

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------------|-------------------|--|--------------------------------------|
| <u>BIOPHYSICAL INVESTIGATIONS:</u> | | | |
| Biophysical investigations. | \$33,952 | \$33,952 | \$33,469.64 |
| Statutory salaries. | 1,860 | 1,860 | 1,800.00 |
| Total | \$35,812 | \$35,812 | \$35,269.64 |

BUREAU OF PLANT INDUSTRY.

| Appropriations and Projects | Estimated 1923 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|------------------------------|-------------------|--|--------------------------------------|
| <u>NAIL HEAD RUST:</u> | | | |
| Nail head rust | - - - | - - - | \$8,895.87 |
| Statutory Salaries | - - - | - - - | 416.46 |
| Total. | - - - | - - - | 9,312.33 |

BUREAU OF PLANT INDUSTRY

| Appropriations and Projects | Estimated 1926 | Estimated expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>ADMINISTRATIVE AND MISCELLANEOUS:</u> | | | |
| Administrative and miscellaneous . . | \$25,000 | \$26,000 | \$23,993.57 |
| Statutory Salaries. | 164,996 | 165,616 | 154,818.22 |
| Total | 189,996 | 191,616 | 178,811.79 |

TOTALS, BUREAU OF PLANT INDUSTRY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--------------------------------------|-------------------|--|-----------------------------------|
| Total, Lump Fund Appropriations. . . | \$3,219,545 | \$3,237,115 | (a) \$3,148,229.43 |
| Total, Statutory Salaries. | 558,000 | 563,900 | 562,294.99 |
| Total, Bureau of Plant Industry. . | 3,777,545 | 3,801,015 | (a) 3,710,524.42 |

(a) Exclusive of expenditures for "Soil Bacteriology" and "Soil Fertility" which items have been transferred to the Bureau of Chemistry and Soils.

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

2. The second part of the paper is devoted to a detailed study of the case of the system of equations

3. The third part of the paper is devoted to a study of the case of the system of equations

4. The fourth part of the paper is devoted to a study of the case of the system of equations

| Appropriation and project | Estimated 1928 | Estimated Expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|--------------------------------------|
| <u>General Expense Forests and</u> | | | |
| <u>General Administration:</u> | | | |
| Prevention of forest fires. | \$1,139,285 | \$1,062,000 | \$1,047,666.30 |
| Statutory salaries. | 554,000 | 554,000 | 550,775.14 |
| Suppression of forest fires | 275,000 | 275,000 | 275,814.26 |
| Construction of roads, trails, tel- ephone lines, lookout structures, dwellings, etc. | 308,835 | 308,000 | 307,148.91 |
| Statutory salaries. | 263,000 | 263,000 | 263,332.16 |
| Maintenance of roads, trails, tele- phone lines, lookout structures, dwellings, etc. | 216,000 | 216,000 | 215,389.13 |
| Statutory salaries. | 133,000 | 133,000 | 133,241.32 |
| Administration of commercial tim- ber sales. | 479,306 | 438,589 | 429,394.57 |
| Statutory salaries | 372,271 | 372,271 | 368,106.84 |
| Administration of timber sales made to settlers and farmers for domestic use | 9,500 | 9,500 | 9,451.31 |
| Statutory salaries | 28,500 | 28,500 | 28,478.26 |
| Supervision of removal of timber under timber right reservations or exchange agreements | 3,500 | 3,500 | 3,602.43 |
| Statutory salaries | 2,000 | 2,000 | 1,843.47 |
| Exploration, location, cruising and mapping of National Forest timber resources as a basis for management plans and as a neces- sary preliminary to timber sale programs and policies. | 123,000 | 123,000 | 114,195.87 |
| Reforestation by planting of National Forest areas. | 37,190 | 35,000 | 35,309.86 |
| Reinforcement of provisions of con- tracts covering removal of timber for which no payment is made. | 3,000 | 3,000 | 3,113.42 |
| Statutory salaries. | 7,000 | 7,000 | 7,645.27 |

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| Appropriation and project | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|----------------|-----------------------------|-----------------------------|
| Control and extermination of tree-destroying insects and tree diseases | 17,000 | 17,000 | 16,452.07 |
| Investigations in silviculture and forest products | 15,000 | 15,000 | 15,979.94 |
| Regulation of use of grazing lands . | 160,000 | 154,000 | 152,916.83 |
| Statutory salaries | 436,000 | 436,000 | 435,840.48 |
| Determination of grazing capacity of the range and the preparation and application of plans for grazing management, range development, and improvement. | 19,000 | 19,000 | 18,457.85 |
| Scientific range investigations . . . | 6,000 | 6,000 | 5,760.51 |
| Development of fish and game resources, and game law enforcement activities. | 28,000 | 28,000 | 27,902.18 |
| Statutory salaries | 48,000 | 48,000 | 48,246.42 |
| Administration of agricultural settlement under Federal Homestead Act and claims under various public land laws | 48,000 | 48,000 | 47,806.23 |
| Statutory salaries | 38,000 | 38,000 | 38,015.22 |
| Location, survey, and appraisal of lands to be purchased or acquired by exchange | 18,000 | 18,000 | 17,590.21 |
| Regulation of private occupancy of National Forest land for all purposes other than timber and grazing. | 29,000 | 29,000 | 28,106.18 |
| Statutory salaries | 61,000 | 61,000 | 60,553.87 |
| Surveying and mapping National Forest lands for general purposes | 52,000 | 52,000 | 47,661.40 |
| Statutory salaries | 80,000 | 80,000 | 80,249.52 |

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| Appropriation and Project | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|--------------------------------------|
| Appraisal of recreational re- sources of National Forest lands and preparation of work plans. | \$ 19,000 | \$ 19,000 | \$ 19,120.69 |
| Statutory salaries. | 22,000 | 22,000 | 22,301.13 |
| Water power work for Federal Power Commission. | 19,200 | 19,200 | 17,862.50 |
| General Administration. | 110,184 | 110,184 | 116,105.73 |
| Statutory salaries... | 149,111 | 149,111 | 155,917.17 |
| Total, Protection and Administra- tion of the National Forests . . . | \$3,135,000 | \$3,007,973 | \$2,972,808.35 |
| Salaries | 2,193,882 | 2,193,882 | 2,194,546.23 |
| Total | \$5,328,882 | \$5,201,855 | \$5,167,354.58 |

FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Fighting Forest Fires:</u> | | | |
| Suppression of forest fires..... | \$175,000 | \$192,000 | \$915,130.75 |
| Statutory salaries..... | 308,000 | 308,000 | 307,751.33 |
| Control of forest insect depre- dation..... | 75,000 | 58,000 | 23,086.86 |
| Statutory salaries..... | 9,000 | 9,000 | 9,061.11 |
| Protection of lands, railroad forfei- ture suits..... | 33,000 | 33,000 | 62,801.69 |
| Statutory salaries..... | 7,500 | 7,500 | 7,406.81 |
| Total, Fighting Forest Fires..... | 283,000 | 283,000 | 1,001,019.30 |
| Statutory salaries..... | 324,500 | 324,500 | 324,219.25 |
| Total..... | 607,500 | 607,500 | 1,325,238.55 |

FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures: 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|---|--------------------------------------|
| <u>Aerial Fire Control:</u> | | | |
| Aerial detection and reconnaissance of forest fires, in cooperation with War Department..... | \$50,000 | \$50,000 | \$48,906.54 |

| Appropriation and Project | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|-----------------------------------|
| <u>Lands:</u> | | | |
| Classification of national forest lands, location, survey, and appraisal of lands to be acquired by exchange, and entry survey of forest homesteads..... | \$55,000 | \$55,000 | \$60,429.78 |
| Statutory salaries..... | 35,000 | 35,000 | 36,362.12 |
| Total..... | \$90,000 | \$90,000 | \$96,791.90 |

FOREST SERVICE

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| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| <u>Sanitation and Fire Prevention:</u> | | | |
| Construction and maintenance of sanitary facilities and for fire prevention on public camp grounds..... | \$40,000 | \$40,000 | \$23,876.03 |
| Statutory salaries..... | 8,000 | 8,000 | 6,924.18 |
| Total..... | \$48,000 | \$48,000 | \$30,800.27 |

FOREST SERVICE

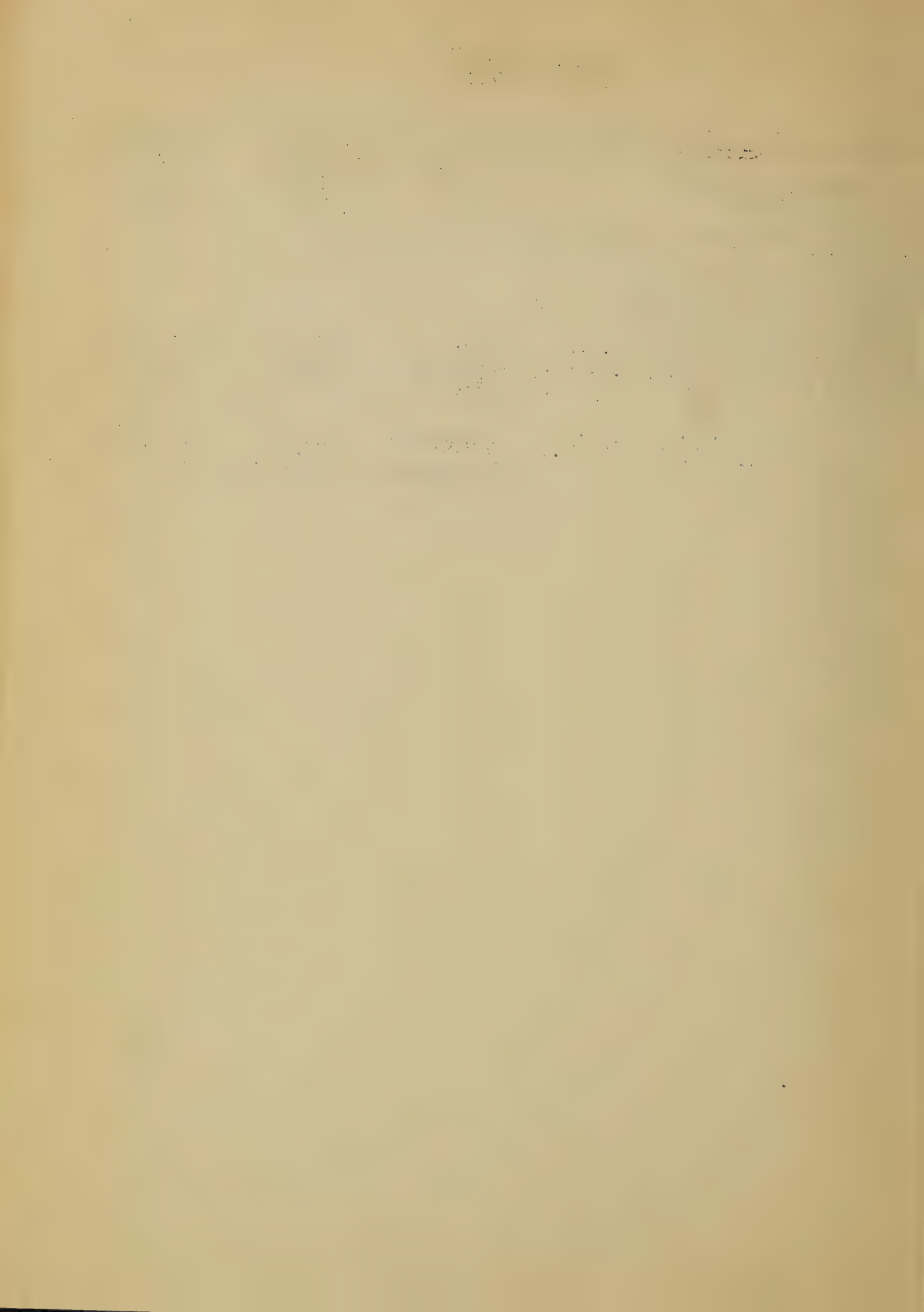
| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Equipment and Supplies:</u> | | | |
| Purchase and maintenance of equipment and supplies..... | \$130,000 | \$130,000 | \$139,953.24 |
| Statutory Salaries..... | 19,978 | 19,978 | 19,849.66 |
| Total..... | \$149,978 | \$149,978 | \$159,802.90 |



| Appropriation and project | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>FOREST PRODUCTS:</u> | | | |
| Administration of and investi- gations in forest products and economics | \$48,000 | \$48,000 | \$46,595.59 |
| Statutory salaries. | 15,100 | 15,100 | 15,136.22 |
| Derived products. | 42,500 | 40,000 | 37,169.81 |
| Statutory salaries. | 11,200 | 11,200 | 11,145.21 |
| Timber physics | 57,900 | 52,900 | 41,871.83 |
| Statutory salaries. | 8,500 | 8,500 | 8,479.02 |
| Wood technology | 21,700 | 19,200 | 17,537.01 |
| Statutory salaries. | 5,000 | 5,000 | 5,012.90 |
| Timber mechanics | 80,764 | 75,764 | 71,659.62 |
| Statutory salaries. | 14,000 | 14,000 | 13,972.24 |
| Preservation | 59,600 | 54,600 | 56,205.73 |
| Statutory salaries | 12,800 | 12,800 | 12,732.12 |
| Pulp and paper | 51,600 | 46,600 | 46,687.92 |
| Statutory salaries | 13,400 | 13,400 | 13,357.06 |
| Industrial investigations | 66,200 | 51,200 | 47,347.62 |
| Statutory salaries | 12,100 | 12,100 | 12,037.24 |
| Fiber investigations. | 15,000 | 15,000 | 15,061.23 |
| Statutory salaries | --- | --- | --- |
| Total, Forest Products | 443,264 | 403,264 | 380,136.36 |
| Salaries | 92,100 | 92,100 | 91,872.01 |
| Total | 535,364 | 495,364 | 472,008.37 |

| Appropriation and Project | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| <u>Range Investigations:</u> | | | |
| Research on the growth of range forage and on its use by livestock consistent with the production of timber and watershed protection..... | \$40,320 | \$ 40,320 | \$40,163.60 |
| Statutory salaries..... | 21,000 | 21,000 | 19,341.82 |
| Total..... | \$61,320 | \$61,320 | \$59,495.42 |

| Appropriation and Project | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|--------------------------------------|
| <u>Planting, National Forests:</u> | | | |
| Reforestation by planting of national forest areas and investigations of planting and nursery problems..... | \$150,000 | \$131,700 | \$131,154.23 |
| Statutory salaries..... | 46,000 | 46,000 | 46,101.13 |
| Total..... | \$196,000 | \$177,700 | \$177,255.36 |



| Appropriation and Project | Estimated 1928 | Estimated Expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|--------------------------------------|
| <u>Silvical Investigations:</u> | | | |
| Research in forestry at Appalachian Forest Experiment Station. | \$37,450 | \$37,450 | \$ 20,660.38 |
| Research in forestry at Rocky Mountain Forest Experiment Station. | 9,260 | 9,260 | 10,161.89 |
| Statutory salaries. | 3,360 | 3,360 | 3,926.47 |
| Research in forestry at Lake States Experiment Station. | 26,450 | 26,450 | 26,889.07 |
| Research in forestry at Pacific North- west Forest Experiment Station. | 26,000 | 26,000 | 25,734.10 |
| Statutory salaries. | 1,380 | 1,680 | 1,680.00 |
| Research in forestry at Northeastern Forest Experiment Station. | 27,300 | 27,300 | 27,192.59 |
| Research in forestry at Northern Rocky Mountain Forest Experiment Station. | 15,000 | 15,000 | 14,957.17 |
| Statutory salaries. | 1,740 | 1,740 | 1,680.00 |
| Research in forestry at Sourthern Forest Experiment Station. | 38,840 | 38,840 | 37,435.49 |
| Research in forestry at Southwestern Forest Experiment Station. | 6,000 | 6,000 | 5,375.00 |
| Statutory salaries. | 3,360 | 3,360 | 3,238.30 |
| Research in forestry at California Forest Experiment Station. | 30,000 | 30,000 | 7,385.00 |
| Statutory salaries. | 1,800 | 1,800 | 1,740.00 |
| Research in forestry at Ohio Valley Forest Experiment Station. | 30,000 | -- | -- |
| Research in forestry at Pennsylvania Forest Experiment Station. | 30,000 | -- | -- |
| Research in Forestry in City of Washington. | 33,700 | 33,700 | 26,389.71 |
| Statutory salaries. | 22,000 | 22,000 | 21,072.00 |
| Total, Silvical Investigations. | 310,000 | 250,000 | 202,180.40 |
| Total, Statutory salaries. | 33,940 | 33,940 | 33,336.77 |
| Total. | \$343,940 | \$283,940 | \$235,517.17 |

FOREST SERVICE

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| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| <u>Reconnaissance:</u> | | | |
| Exploration, location, cruising, and mapping of National Forest timber resources as a basis for management plans and as a necessary preliminary to timber sale program and policies | \$ 68,000 | \$ 68,000 | \$ 67,133.30 |
| Statutory salaries | 63,000 | 63,000 | 62,893.29 |
| Determination of grazing capacity of the range and the preparation and application of plans for grazing management, range development and improvements | 40,550 | 40,550 | 40,279.99 |
| Statutory salaries | 37,600 | 37,600 | 37,610.02 |
| Total, Reconnaissance | 108,550 | 108,550 | 107,413.29 |
| Salaries | 100,600 | 100,600 | 100,503.31 |
| Total | \$209,150 | \$209,150 | \$207,916.60 |

| Appropriation and project | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|--------------------------------------|
| <u>Miscellaneous Forest Investigations:</u> | | | |
| Collecting and distributing the results of experiments and investigations through means of publications, photographs, exhibits, motion pictures, cooperation with schools, etc. | \$33,800 | \$ 33,800 | \$ 33,791.00 |
| Statutory salaries. | 39,000 | 39,000 | 39,101.21 |
| Total | \$72,800 | \$ 72,800 | \$ 72,892.21 |

| Appropriation and project | Estimated 1928 | Estimated expenditures | Expended and obligated 1926 |
|---|-------------------|---------------------------|--------------------------------------|
| <u>Improvements, National Forests:</u> | | | |
| Construction of telephone lines. | \$ 102,423 | \$ 102,923 | \$ 88,216.25 |
| Statutory salaries | 79,000 | 79,000 | 71,023.41 |
| Construction of firebreaks | 63,881 | 68,881 | 44,434.21 |
| Statutory salaries | 7,000 | 7,000 | 34,392.86 |
| Construction of fences | 36,758 | 36,758 | 32,943.01 |
| Statutory salaries | 29,000 | 29,000 | 25,846.92 |
| Construction of lookout structures . . | 33,095 | 33,095 | 23,443.86 |
| Statutory salaries | 24,500 | 24,500 | 18,106.13 |
| Construction of dwellings. | 45,947 | 45,947 | 23,023.73 |
| Statutory salaries | 31,900 | 31,900 | 17,903.21 |
| Construction of barns. | 4,361 | 4,361 | 6,197.91 |
| Statutory salaries | 3,600 | 3,600 | 4,893.43 |
| Construction of other buildings. . . . | 22,995 | 22,995 | 23,950.16 |
| Statutory salaries | 15,000 | 15,000 | 18,306.18 |
| Construction of corrals. | -- | -- | 1,086.29 |
| Statutory salaries | -- | -- | 801.02 |
| Construction of water development projects | 10,840 | 10,840 | 7,944.06 |
| Statutory salaries | 8,000 | 8,000 | 6,802.19 |
| Construction of camp grounds | 12,700 | 13,500 | -- |
| Clearing of Road and Trail Rights of Way | 9,300 | 10,000 | -- |
| Maintenance of telephone lines | 100,500 | 100,000 | 101,192.42 |
| Statutory salaries | 123,000 | 123,000 | 122,821.32 |
| Maintenance of firebreaks. | 13,300 | 8,300 | 2,429.84 |
| Statutory salaries | 2,900 | 2,900 | 2,782.33 |
| Maintenance of lookout structures. . . | 3,900 | 3,900 | 3,973.39 |
| Statutory salaries | 4,800 | 4,800 | 4,702.81 |

| Appropriation and Projects | : | : | Estimated | : | Expended |
|--|---|---|--------------|---|------------------------|
| | : | : | Expenditures | : | and |
| | : | : | 1927 | : | Obligated |
| | : | : | 1928 | : | 1926 |
| Maintenance of fences. | : | : | \$18,000 | : | \$ 18,361.16 |
| Statutory salaries | : | : | 22,500 | : | 22,126.14 |
| Maintenance of dwellings | : | : | 28,300 | : | 28,834.02 |
| Statutory salaries | : | : | 33,600 | : | 33,629.86 |
| Maintenance of barns | : | : | 4,700 | : | 4,801.20 |
| Statutory salaries | : | : | 6,400 | : | 6,342.80 |
| Maintenance of other buildings | : | : | 8,000 | : | 8,192.26 |
| Statutory salaries | : | : | 10,200 | : | 10,126.86 |
| Maintenance of corrals | : | : | 100 | : | 148.63 |
| Statutory salaries | : | : | 100 | : | 172.33 |
| Maintenance of water development projects | : | : | 6,300 | : | 6,657.23 |
| Statutory salaries | : | : | 9,500 | : | 9,702.93 |
| Maintenance of camp grounds. | : | : | 800 | : | - - - |
| Maintenance of road and trail rights of way clearings | : | : | 700 | : | - - - |
| Construction and maintenance of dams . | : | : | - - | : | - - - |
| Total, Improvements National Forests | : | : | 526,900 | : | 531,900(a): 425,829.63 |
| Statutory salaries | : | : | 411,000 | : | 411,000 : 410,482.73 |
| Total | : | : | 937,900 | : | 942,900(a): 836,312.36 |

(a) Includes \$100,000 provided by the Second Deficiency Act, 1926, and \$5,000 for construction of a dam at Cass Lake, Minn., from funds allotted for this purpose during the fiscal year 1926, and made available during the fiscal year 1927.

TOTALS, FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| Total, Lump-Fund Appropriations. | \$5,230.834 | \$5,065,507(a) | \$5,567,651.81 |
| Total, Statutory Salaries. | 3,325,000 | 3,325,000 | 3,322,640.42 |
| Total, Forest Service. | 8,555,834 | 8,390,507(a) | 8,890,292.23 |

(a) Includes \$100,000 provided by the Second Deficiency Act, 1926, and \$5,000 for construction of a dam at Casa Lake, Minn., from funds allotted for this purpose during the fiscal year 1926 and made available during the fiscal year 1927.

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 | Expended and Obligated 1926 |
|---|-------------------|-----------------------------------|--------------------------------------|
| <u>Cooperative Work, Forest Service</u> <u>Act of March 3, 1925:</u> | | | |
| Protection and administration of private lands within the boundaries of National Forests from funds deposited by land owners..... | \$170,000 | \$170,000 | -- |

FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|--------------------------------------|
| <u>Refunds to Depositors. Excess of</u> <u>Deposits. National Forest Funds</u> Refunds to depositors of moneys deposited in excess of amounts actually due, and to claimants of sums erroneously collected for the use of lands or for sale of timber or other resources. | \$100,000 | \$100,000 | \$133,488.38 |

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>National Forest Reservation</u> <u>Commission:</u> Expenses of National Forest Reservation Commission and its members. | \$500 | \$500 | \$502.25 |

FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Payments to States and Terri-</u> <u>tories from the National For--</u> <u>est funds:</u> | | | |
| Payments of 25% of National Forest receipts to States in which National Forests are situated. | \$1,307,750 | \$1,285,523.44 | \$1,242,953.93 |



| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>Cooperative Work, Forest Service:</u> | | | |
| Construction of roads, trails, fences, and other improvements paid for from funds deposited to the credit of the Forest Service by cooperators. | \$1,251,900 | \$1,261,900 | \$1,520,710.65 |
| Maintenance of roads, trails, fences, and other improvements paid for from funds deposited to the credit of the Forest Service by Cooperators. | 80,000 | 70,000 | 60,329.97 |
| Prevention and suppression of forest fires on private lands within or adjacent to the ex- terior boundaries of National Forests paid for from funds deposited to the credit of the Forest Service by owners of such lands. | -- | -- | 161,382.49 |
| Disposal of brush and other debris resulting from cutting operations in sales of Nation- al Forest timber paid for from funds deposited to the credit of the Forest Service by timber purchasers. | 210,000 | 210,000 | 209,863.21 |
| Forest investigations paid for from funds deposited to the credit of the Forest Service by cooperators | 80,000 | 80,000 | 81,626.82 |
| Refunds to cooperators. | 8,100 | 8,100 | 8,121.06 |
| Total. | \$1,630,000 | \$1,630,000 | \$2,042,034.20 |

FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>Payments to School Funds.</u> | | | |
| <u>Arizona and New Mexico</u> | | | |
| <u>National Forest Fund:</u> | | | |
| Payments to the common school funds of Arizona and New Mexico on account of re- ceipts from State lands ad- ministered as parts of Nation- al Forests. | \$40,000 | \$13,567.25 | \$28,321.76 |

FOREST SERVICE

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Roads and Trails for States.</u> | | | |
| <u>National Forest Fund:</u> | | | |
| Construction and maintenance of roads and trails within the National Forests | \$600,000 | \$600,000 | \$677,935.88 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>Agricultural Investigations:</u> | | | |
| Carbohydrate Investigations. | \$ 19,510 | \$ 19,510 | \$ 18,975.36 |
| Statutory Salaries. | 6,490 | 6,490 | 6,489.62 |
| Crop Chemistry. | 24,410 | 24,410 | 23,659.15 |
| Statutory Salaries | 7,535 | 7,535 | 7,534.84 |
| Fruit and Vegetable Utilization Studies. | 31,670 | 31,670 | 30,864.99 |
| Statutory Salaries | 8,285 | 8,285 | 8,285.25 |
| Leather and Paper Studies. | 21,690 | 17,090 | 16,573.42 |
| Statutory Salaries. | 5,720 | 5,720 | 5,719.79 |
| Oil, Fat and Wax Studies | 8,350 | 8,350 | 8,166.61 |
| Statutory Salaries | 2,610 | 2,610 | 2,610.14 |
| Protein Investigations | 17,135 | 17,135 | 16,693.52 |
| Statutory Salaries | 5,410 | 5,410 | 5,410.60 |
| Food Research | 24,740 | 24,740 | 24,740 |
| Statutory salaries | 7,740 | 7,740 | 7,740 |
| Miscellaneous Studies. | 5,235 | 5,235 | 5,164.18 |
| Statutory Salaries | 1,417 | 1,417 | 1,417.02 |
| Total, Agricultural Investigations. . | 152,740 | 148,140 | 144,837.23 |
| Statutory Salaries. | 45,207 | 45,207 | 45,207.26 |
| Total. | 197,947 | 193,347 | 190,044.49 |

BUREAU OF CHEMISTRY AND SOILS.

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|-----------------------------------|
| Color Investigations: | | | |
| Color, Medicinal and Technical Investigations. | \$54,800 | \$54,800 | \$49,946.04 |
| Statutory Salaries | 18,621 | 18,621 | 18,620.81 |
| Total | 73,421 | 73,421 | 68,566.85 |

BUREAU OF CHEMISTRY AND SOILS.

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|-----------------------------------|
| <u>Table and Sweet Sirup and Sugar</u> <u>Investigations:</u> | | | |
| Table and Sweet Sirup and Sugar Investigations. | \$28,000 | \$28,000 | \$26,493.40 |
| Statutory Salaries. | 7,234 | 7,234 | 7,233.98 |
| Total. | 35,234 | 35,234 | 33,727.38 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Plant Dust Explosions and Fires</u> <u>Investigations:</u> | | | |
| Plant Dust Explosions and Fires Investigations. | \$25,000 | \$26,555 | \$23,575.11 |
| Statutory Salaries | 7,543 | 7,543 | 7,542.82 |
| Total | \$32,543 | \$34,098 | \$31,117.93 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------|-------------------|--|--------------------------------------|
| <u>NAVAL STORES RESEARCH:</u> | | | |
| Naval Stores research..... | \$10,000 | \$10,000 | \$10,000 |
| Total..... | 10,000 | 10,000 | 10,000 |

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-----------------------------------|-------------------|--|--------------------------------------|
| SOIL CHEMICAL INVESTIGATIONS: | | | |
| Soil chemical investigations..... | \$25,640 | \$25,640 | \$25,498.34 |
| Statutory salaries..... | 1,080 | 1,080 | 1,080.00 |
| Total..... | \$26,720 | 26,720 | 26,578.34 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---------------------------------------|-------------------|--|--------------------------------------|
| <u>SOIL PHYSICAL INVESTIGATIONS:</u> | | | |
| Soil physical investigations. | \$13,145 | \$13,145 | \$12,922.37 |
| Statutory salaries. | 4,080 | 4,080 | 3,523.00 |
| Total | 17,225 | 17,225 | 16,445.37 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>INVESTIGATIONS OF FERTILIZER RESOURCES:</u> | | | |
| Supervision. | \$2,000 | \$2,000 | \$2,000 |
| Statutory salaries | 2,740 | 2,740 | 2,730 |
| Nitrogen, Phosphate and Potash Resources | 31,000 | 31,000 | 30,908.56 |
| Statutory salaries | 3,120 | 3,120 | 3,120.00 |
| Concentrated fertilizer and mis- cellaneous materials | 30,215 | 30,215 | 30,161.31 |
| Statutory salaries | 1,080 | 1,080 | 1,080.00 |
| Fixed nitrogen research laboratory . . | 211,785 | 185,000 | ----- |
| Total Investigations of Fertilizer Resources. | 275,000 | 248,215 | 63,069.87 |
| Statutory salaries | 6,940 | 6,940 | 6,930.00 |
| Total | 281,940 | 255,155 | 69,999.87 |

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------|-------------------|--|--------------------------------------|
| <u>NITRATE PLANTS:</u> | | | |
| Nitrate plants. | ---- | \$50,000 (a) | \$240,601.51 |

(a) Balance of \$50,000 remaining available for use in 1927 from allotments previously made from National Defense Act funds.

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>SOIL SURVEY INVESTIGATIONS:</u> | | | |
| Supervision. | \$6,000 | \$6,000 | \$6,066.48 |
| Statutory salaries. | 10,500 | 10,500 | 10,305.00 |
| Inspection and correlations. | 22,900 | 22,900 | 22,926.73 |
| Statutory salaries | 1,860 | 1,860 | 1,860.00 |
| Detailed and reconnaissance surveys. | 160,160 | 163,380 | 155,800.93 |
| Correlation and soil character- istics and crops. | 11,000 | 11,000 | 11,203.09 |
| Map drafting. | 5,940 | 5,940 | 6,134.34 |
| Statutory salaries. | 22,380 | 22,380 | 21,943.84 |
| Total, Soil Survey Investigations | 206,000 | 209,220 | 202,131.57 |
| Statutory salaries. | 34,740 | 34,740 | 34,108.84 |
| Total. | 240,740 | 243,960 | 236,240.41 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>SOIL BACTERIOLOGY INVESTIGATIONS:</u> | | | |
| Soil bacteriology investigations. | \$33,940 | \$33,940 | \$32,690.22 |
| Statutory salaries. | 6,900 | 6,900 | 7,995.00 |
| Total | 40,840 | 40,840 | 40,685.22 |

BUREAU OF CHEMISTRY AND SOILS

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| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>SOIL FERTILITY INVESTIGATIONS:</u> | | | |
| Soil fertility investigations. | \$67,000 | \$62,000 | \$47,419.64 |
| Statutory salaries. | 4,200 | 4,200 | 3,783.66 |
| Total | 71,200 | 66,200 | 51,203.30 |

BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>ADMINISTRATIVE EXPENSES:</u> | | | |
| General administration, including editorial, accounts, files, sup- plies, stenographic and clerical service, etc..... | \$ 3,800 | \$ 4,000 | \$ 3,812.11 |
| Statutory salaries..... | 38,395 | 41,420 | 40,800.50 |
| Total..... | \$42,195 | 45,420 | 44,612.61 |

TOTALS, BUREAU OF CHEMISTRY AND SOILS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 | Expended and Obligated 1926 |
|---|-------------------|-----------------------------------|--------------------------------------|
| Total Lump Fund appropriations.... | \$ 922,065 | \$941,235(a) | \$909,704.92 |
| Total statutory salaries..... | 182,740 | 185,765 | 184,626.00 |
| Total Bureau of Chemistry and Soils..... | \$1,104,805 | \$1,127,000(a) | \$1,094,330.92 |

(a) Includes an unexpended balance of \$50,000 remaining available for use in 1927 from allotments previously made from National Defense Act funds.

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|---|-----------------------------------|
| DECIDUOUS FRUIT INSECTS: | | | |
| Supervision. | \$9,000 | \$13,225 | \$11,173.76 |
| Statutory salaries | 4,980 | 4,980 | 5,019.17 |
| Apple insects | 47,240 | 37,515 | 32,179.65 |
| Grape insects | 5,300 | 5,300 | 4,519.28 |
| Peach insects | 20,000 | 20,000 | 20,471.41 |
| Statutory salaries | - - - - | - - - - | 1,500.00 |
| Nut insects | 15,000 | 15,000 | 14,086.71 |
| Orchard insecticides and spraying machinery | 9,960 | 9,960 | 9,904.98 |
| Orchard insect survey. | 3,500 | 3,500 | 3,250.20 |
| Blueberry muggot | 10,000 | 10,000 | 8,434.18 |
| Total, Deciduous Fruit Insects | 120,000 | 114,500 | 104,020.17 |
| Statutory salaries. | 4,980 | 4,980 | 6,519.17 |
| Total. | 124,980 | 119,480 | 110,539.34 |

| Appropriation and projects | Estimated | Estimated ex- penditures 1927 appropriation | Expended and obligated 1926 |
|------------------------------------|-----------|---|-----------------------------------|
| <u>CEREAL AND FORAGE INSECTS:</u> | | | |
| Supervision. | \$19,500 | \$20,335 | \$18,950.19 |
| Statutory salaries | 7,300 | 7,300 | 8,854.17 |
| Cereal insects | 30,000 | 30,000 | 30,874.01 |
| Statutory salaries | - - - | - - - | 1,680.00 |
| Forage insects | 48,000 | 48,000 | 45,649.53 |
| Statutory salaries | - - - | - - - | 1,680.00 |
| Grasshopper control. | 25,000 | 25,000 | 19,831.01 |
| Alfalfa weevil | 17,500 | 17,500 | 16,493.54 |
| Hessian fly. | 25,000 | 25,000 | 22,674.83 |
| Statutory salaries | - - - | - - - | 4,509.00 |
| Chinch bug | 13,000 | 13,000 | 13,092.12 |
| Statutory salaries | - - - | - - - | 1,500.00 |
| European corn borer research . . . | 22,000 | 22,000 | 22,188.34 |
| Total, Cereal and Forage Insects | 200,000 | 200,835 | 189,753.57 |
| Statutory salaries | 7,300 | 7,300 | 18,223.17 |
| Total | 207,300 | 208,135 | 207,976.74 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated ex- penditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|---|-----------------------------------|
| <u>SOUTHERN FIELD CROP INSECTS:</u> | | | |
| Supervision. | \$7,150 | \$16,750 | \$25,099.04 |
| Statutory salaries | 1,500 | 1,500 | 1,680.00 |
| Cotton bollweevil | 156,895 | 158,405 | 176,628.01 |
| Statutory salaries | - - - - | - - - | 3,180.00 |
| Miscellaneous cotton insects . . . | 31,000 | 31,000 | 10,821.55 |
| Tobacco insects. | 26,510 | 26,510 | 24,900.64 |
| Sugar cane and rice insects. . . . | 14,775 | 14,775 | 13,542.68 |
| Arizona weevil | 23,000 | 23,000 | - - - - |
| Total, Southern Field Crop Insects. | 259,330 | 270,440 | (a) 250,991.92 |
| Statutory salaries. | 1,500 | 1,500 | 4,860.00 |
| Total | 260,830 | 271,940 | (a) 255,851.92 |

(a) Does not include \$3,000 transferred to Bureau of Standards.

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated ex- penditures 1927 appropriation | Expended and obligated 1926 |
|-------------------------------------|-------------------|---|-----------------------------------|
| <u>FOREST INSECTS:</u> | | | |
| Supervision..... | \$ 9,250 | \$ 10,000 | \$ 10,530.71 |
| Statutory salaries..... | 5,320 | 5,320 | 5,320.00 |
| Insects affecting forest trees.... | 23,000 | 23,000 | 20,142.42 |
| Statutory salaries..... | - - - | - - - | 3,000.00 |
| Insects affecting forest products | 4,500 | 4,500 | 4,083.75 |
| Shade trees and hardy shrub insects | 3,500 | 3,500 | 2,947.62 |
| Cooperative forest insect control. | 34,000 | 34,000 | 35,672.97 |
| Total, Forest insects..... | 74,250 | 75,000 | 73,377.46 |
| Statutory salaries..... | 5,320 | 5,320 | 8,320.00 |
| Total..... | 79,570 | 80,320 | 81,697.46 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated ex- penditures 1927 and appropriation | Expended and obligated 1926 |
|-----------------------------------|-------------------|---|-----------------------------------|
| <u>TRUCK CROP INSECTS:</u> | | | |
| Supervision..... | \$ 5,740 | \$ 12,900 | \$ 10,972.18 |
| Statutory salaries..... | 3,540 | 3,540 | 3,540.00 |
| Truck crop insects..... | 74,450 | 74,450 | 61,071.73 |
| Sweet potato weevil research..... | 1,850 | 1,850 | 1,745.50 |
| Australian tomato weevil..... | 3,000 | 3,000 | 2,645.12 |
| Pea aphids..... | 8,000 | 8,000 | 8,009.99 |
| Sweet potato weevil control..... | 38,000 | 38,000 | 36,175.98 |
| Berry insects..... | 5,000 | 5,000 | 3,327.93 |
| Total, Truck Crop Insects..... | 136,040 | 143,200 | 123,948.43 |
| Statutory salaries..... | 3,540 | 3,540 | 3,540.00 |
| Total..... | 139,580 | 146,740 | 127,488.43 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated ex- penditures 1927 appropriation | Expended and obligated 1926 |
|--------------------------------------|-------------------|---|-----------------------------------|
| <u>STORED PRODUCT INSECTS:</u> | | | |
| Supervision | \$5,300 | \$7,450 | \$7,286.47 |
| Statutory salaries | 6,000 | 6,000 | 4,211.34 |
| Bean weevil investigations | 7,500 | 7,500 | 6,999.96 |
| Stored grain insects | 14,800 | 14,800 | 15,145.91 |
| Dried fruit insects | 7,500 | 7,500 | 7,970.04 |
| Household insects | 2,000 | 2,000 | 1,664.59 |
| Cold storage experiments | 3,000 | 3,000 | 1,678.02 |
| Fumigation experiments | 800 | 800 | 936.91 |
| Total, Stored Products Insects . | 40,900 | 43,050 | 41,681.90 |
| Statutory salaries | 6,000 | 6,000 | 4,211.34 |
| Total | 46,900 | 49,050 | 45,893.24 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated ex- penditures 1927 appropriation | Expended and obligated 1926 |
|-------------------------------------|-------------------|---|-----------------------------------|
| <u>BEE CULTURE:</u> | | | |
| Supervision | \$6,475 | \$7,470 | \$5,907.69 |
| Statutory salaries. | - - - | - - - | 3,960.00 |
| Behavior of bees. | 11,840 | 11,440 | 11,123.87 |
| Diseases of bees. | 4,800 | 5,100 | 5,319.26 |
| Physiology of bees. | 2,940 | 2,900 | 3,379.79 |
| Beekeeping regions of United States | 3,455 | 3,100 | 3,000.00 |
| Demonstration in beekeeping . . . | 2,870 | 2,370 | 2,706.43 |
| Intermountain beekeeping. | 10,000 | 10,000 | - - - - |
| Total, Bee Culture. | 42,380 | 42,380 | 31,437.04 |
| Statutory salaries. | - - - | - - - | 3,960.00 |
| Total. | 42,380 | 42,380 | 35,397.04 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects | Estimated 1928 | Estimated ex- penditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|---|-----------------------------------|
| <u>TROPICAL AND SUBTROPICAL FRUIT INSECTS:</u> | | | |
| Supervisor | \$6,700 | \$8,830 | \$8,656.11 |
| Statutory salaries | 1,680 | 1,680 | 1,269.34 |
| Citrus insects in Florida | 14,070 | 14,070 | 13,861.42 |
| Statutory salaries | - - - | - - - | 1,440.00 |
| Greenhouse insects | 18,930 | 11,430 | 12,491.05 |
| Statutory salaries | 1,500 | 1,500 | 787.51 |
| Fruit flies in Hawaii | 17,500 | 17,500 | 13,336.62 |
| Fruit flies in Canal Zone | 3,280 | 3,280 | 3,303.90 |
| Camphor scale insects | 12,075 | 12,075 | 12,780.27 |
| Citrus thrips in California | 4,200 | 4,200 | 4,423.45 |
| Total, Tropical and Subtropical Fruit Insects | 76,755 | 71,385 | 68,852.82 |
| Statutory salaries | 3,180 | 3,180 | 3,496.85 |
| Total | 79,935 | 74,565 | 72,349.67 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligat- ed 1926 |
|--|-------------------|--|-------------------------------------|
| <u>MISCELLANEOUS INSECTS:</u> | | | |
| Identification and classification. | \$55,955 | \$ 29,380 | \$ 27,651.98 |
| Statutory salaries. | 5,722 | 8,160 | 18,759.69 |
| Insects affecting health of man. | 12,600 | 12,880 | 12,780.52 |
| Insects affecting health of animals. | 24,580 | 24,300 | 24,427.35 |
| Statutory salaries | - - - | - - - | 2,974.66 |
| Total, Miscellaneous Insects | 93,135 | 66,560 | 64,859.85 |
| Statutory salaries | 5,722 | 8,160 | 21,734.35 |
| Total | 98,857 | 74,720 | 86,594.20 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obli- gated 1926 |
|---|-------------------|---|-------------------------------------|
| <u>ADMINISTRATIVE AND MISCELLANEOUS EXPENSES:</u> | | | |
| Administrative and miscellaneous..... | \$ 3,880 | \$ 3,880 | \$ 3,691.10 |
| Statutory salaries..... | 96,458 | 96,458 | 51,706.68 |
| Total..... | 100,338 | 100,338 | 55,397.78 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>PREVENTING SPREAD OF MOTHS:</u> | | | |
| Supervision. | \$ 58,000 | \$ 58,000 | \$ 54,687.89 |
| Statutory salaries | - - - | - - - | 3,480.00 |
| Field and laboratory work. | 83,000 | 83,000 | 81,386.86 |
| Statutory salaries | - - - | - - - | 1,740.00 |
| Quarantine and inspection work | 101,750 | 101,750 | 89,936.35 |
| Statutory salaries | - - - | - - - | 1,694.67 |
| Scouting and extermination work. | 407,250 | 427,250 | 475,078.45 |
| Statutory salaries | - - - | - - - | 870.00 |
| Total, Preventing Spread of Moths. | 650,000 | 670,000 | (a) 701,089.55 |
| Statutory salaries | - - - | - - - | 7,784.67 |
| Total. | 650,000 | 670,000 | (a) 708,874.22 |

(a) Of the \$100,000 made immediately available in the Act for the fiscal year 1926, \$35,500.66 was expended during the fiscal year 1925.

BUREAU OF ENTOMOLOGY

| Appropriation and Projects. | Estimated | Estimated | Expended |
|---|-----------|----------------------|--|
| | 1928 | Expenditures 1927 | and obligated Appropriation 1926 |
| <u>PREVENTION OF SPREAD OF EUROPEAN CORN BORER:</u> | | | |
| Supervision. | \$ 38,900 | \$ 35,000 | \$21,606.59 |
| Research work. | 118,900 | 75,000 | 52,414.20 |
| Control work | 527,200 | 375,000 | 296,642.46 |
| Total | 685,000 | 485,000 | (a) 370,663.25 |

(a) Of the \$50,000 made immediately available in the Act for the fiscal year 1926, \$10,043.56 was expended during the fiscal year 1925.

| Appropriation and projects. | Estimated | Estimated | Expended |
|---|-----------|---------------------------------------|--------------------------|
| | 1928 | Expenditures 1927 Appropriation | and obligated 1926 |
| <u>PREVENTION OF SPREAD OF MEXICAN BEAN BEETLE:</u> | | | |
| Supervision. | \$ 6,000 | \$ 6,000 | \$ 4,735.61 |
| Research work. | 26,500 | 26,500 | 26,844.32 |
| Total | 32,500 | 32,500 | 31,579.93 |

BUREAU OF ENTOMOLOGY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>PREVENTING SPREAD OF JAPANESE AND ASIATIC BEETLES:</u> | | | |
| Supervision. | \$ 21,900 | \$ 21,900 | \$ 19,250.78 |
| Japanese beetle research | 101,840 | 101,840 | 114,011.25 |
| Statutory salaries | - - - | - - - | 2,480.00 |
| Japanese beetle control. | 306,260 | 156,260 | 144,820.67 |
| Asiatic beetle | 10,000 | 5,000 | - - - - |
| Total, Preventing Spread of Japanese and Asiatic Beetles | 440,000 | 285,000 | 278,082.70 |
| Statutory salaries. | - - - | - - - | 2,480.00 |
| Total | 440,000 | 285,000 | 280,562.70 |

TOTALS, BUREAU OF ENTOMOLOGY

| Appropriation and projects. | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|-----------------------------------|
| Total, Lump Fund Appropriations | \$2,854,170 | \$2,503,730 | \$2,334,029.69 |
| Total, Statutory Salaries | 134,000 | 136,438 | 136,836.23 |
| Total, Bureau of Entomology | 2,988,170 | 2,640,168 | 2,470,865.92 |

BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>MAINTENANCE OF MAMMAL AND BIRD RESERVATIONS:</u> | | | |
| Supervision. | \$7,234 | \$7,034 | \$4,769.50 |
| Statutory salaries | 2,610 | 2,610 | 4,271.67 |
| Wild Life Refuges | 42,766 | 38,966 | 56,005.35 |
| Statutory salaries | 1,200 | 1,200 | 1,200.00 |
| Total, Maintenance of Mammal and Bird Reservations | 50,000 | 46,000 | * 60,774.85 |
| Statutory Salaries | 3,810 | 3,810 | 5,471.67 |
| Total. | 53,810 | 49,810 | * 66,246.52 |

* Includes expenditures from \$4,000 transferred from "food Habits of Birds and Other Animals" and \$46.25 expended under the appropriation for "Sullys Hill National Game Preserve."

BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriations | Expended and Obligated 1926 |
|--|-------------------|---|--------------------------------------|
| <u>FOOD HABITS OF BIRDS AND OTHER ANIMALS:</u> | | | |
| Supervision. | \$22,929 | \$21,762 | \$23,617.98 |
| Food Habits of Injurious Animals | 8,500 | 8,500 | 8,136.67 |
| Eradication Methods. | 19,830 | 19,830 | 19,603.44 |
| Statutory salaries | 1,740 | 1,740 | 1,740.00 |
| Destruction of Injurious Rodents | 164,519 | 164,519 | 157,780.36 |
| Statutory salaries | 8,860 | 8,860 | 8,898.92 |
| Destruction of Predatory Animals | 266,852 | 268,019 | 262,944.44 |
| Statutory salaries | 9,751 | 9,751 | 11,280.08 |
| Production of Fur-Bearing Animals. | 25,000 | 25,000 | 20,597.68 |
| Statutory salaries | 2,880 | 2,880 | 1,970.33 |
| Relation of Native and Introduced Birds to Agriculture. | 25,660 | 25,660 | 24,243.97 |
| Statutory salaries | 3,000 | 3,000 | 2,910.00 |
| Total, Food Habits of Birds and Other Animals. | 533,290 | 533,290 | 516,924.54 |
| Statutory salaries | 26,231 | 26,231 | 26,799.33 |
| Total. | 559,521 | 559,521 | 543,723.87 |

BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures | Expended and Obligated 1926 |
|--|-------------------|---------------------------|--------------------------------------|
| <u>BIOLOGICAL INVESTIGATIONS:</u> | | | |
| Supervision. | \$3,105 | \$3,105 | \$2,450.87 |
| Statutory salaries | 1,680 | 1,680 | 1,680.00 |
| Investigation of Wild Animal Life. | 23,101 | 23,101 | 23,766.21 |
| Statutory salaries | 9,805 | 9,805 | 9,280.00 |
| Life Habits of Injurious Animals | 2,524 | 2,524 | 2,958.82 |
| Total, Biological Investigations | 28,730 | 28,730 | 29,175.90 |
| Statutory salaries | 11,485 | 11,485 | 10,960.00 |
| Total. | 40,215 | 40,215 | 40,135.90 |

BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>PROTECTION OF MIGRATORY BIRDS:</u> | | | |
| Supervision. | \$15,300 | \$15,300 | \$8,289.40 |
| Statutory salaries | 4,130 | 4,130 | 3,659.17 |
| Protection of Migratory Birds. | 103,160 | 107,505 | 110,425.21 |
| Statutory salaries | 2,400 | 2,400 | 3,838.00 |
| Investigations of Migratory Birds. | 12,540 | 12,540 | 12,085.65 |
| Statutory salaries | 4,740 | 4,740 | 4,680.00 |
| Enforcement of Lacey Act | 14,000 | 14,000 | 13,407.90 |
| Statutory salaries | 840 | 840 | 840.00 |
| Total, Protection of Migratory Birds . | 145,000 | 149,345 | 144,208.16 |
| Statutory salaries | 12,110 | 12,110 | 13,017.17 |
| Total. | 157,110 | 161,455 | 157,225.33 |

BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>REINDEER, GAME AND FUR BEARERS IN ALASKA:</u> | | | |
| Supervision. | \$3,500 | \$3,500.00 | \$2,901.15 |
| Reindeer Industry in Alaska. | 21,695 | 21,695.00 | 16,431.88 |
| Protection of Game and Land Fur-Bearing Animals in Alaska. | 74,805 | 74,691.35 | 80,698.21 |
| Total. | 100,000 | (a) 99,886.35 | (b) 100,031.24 |

(a) Includes \$9,886.35 of the reappropriated balances made available by the Alaska Game Law, approved January 13, 1925.

(b) Includes \$15,894.80 of the reappropriated balances made available by the Alaska Game Law, approved January 13, 1925.

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|----------------------------------|-------------------|--|--------------------------------------|
| <u>ADMINISTRATIVE EXPENSES:</u> | | | |
| Administrative Expenses. | \$11,000 | \$11,000 | \$10,701.58 |
| Statutory salaries. | 50,364 | 50,364 | 49,957.00 |
| Total. | 61,364 | 61,364 | 60,658.58 |

BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>UPPER MISSISSIPPI RIVER WILD LIFE AND FISH</u> | | | |
| <u>REFUGE:</u> | | | |
| Administration. | \$25,000 | (a) \$35,592.80 | \$9,289.29 |
| Acquisition of Land | 5,000 | (b) 359,173.60 | 20,826.40 |
| Total | 30,000 | (c) 394,766.40 | 30,115.69 |

(a) Includes \$15,592.80 unobligated balance carried over from fiscal year 1926.

(b) Includes \$354,173.60 unobligated balance carried over from fiscal year 1926.

(c) Includes \$369,766.40 unobligated balance carried over from fiscal year 1926.

TOTALS, BUREAU OF BIOLOGICAL SURVEY

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| Total, Lump Fund Appropriations. | \$898,020 | (a) (c) \$1,263,017.75 | \$891,931.96 (b) |
| Total, Statutory Salaries. | 104,000 | 104,000.00 | 106,205.17 |
| Total, Bureau of Biological Survey. | 1,002,020 | (a) (c) 1,367,017.75 | 998,137.13 (b) |

(a) Includes \$9,886.35 of the reappropriated balances made available by the Alaska Game Law, approved January 13, 1925.

(b) Includes \$15,894.80 of the reappropriated balances made available by the Alaska Game Law, approved January 13, 1925.

(c) Includes \$369,766.40 unobligated balance carried over from fiscal year 1926.

BUREAU OF PUBLIC ROADS

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appro- priation | Expended and Obligated 1926 |
|----------------------------------|-------------------|--|--------------------------------------|
| ROAD MANAGEMENT: | | | |
| Highway transportation | \$ 50,300 | \$ 53,300 | \$ 57,215.83 |
| Highway finance | 1,700 | 1,700 | 1,943.65 |
| Total | \$ 52,000 | \$ 55,000 | \$ 59,159.48 |

BUREAU OF PUBLIC ROADS

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Approp- riation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| ROAD BUILDING AND MAINTENANCE: | | | |
| Maintenance of experimental highways: | \$ 16,751 | \$ 16,751 | \$ 23,893.17 |
| Experiments in use of local materials and construction and maintenance cost studies | 63,249 | 66,200 | 54,046.78 |
| Total | \$ 80,000 | \$ 82,951 | \$ 77,939.95 |

BUREAU OF PUBLIC ROADS

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appro- priation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| AGRICULTURAL ENGINEERING: | | | |
| Administration | \$ 10,300 | \$ 10,300 | \$ 9,560.70 |
| Advice and assistance. | 11,000 | 11,000 | 7,911.72 |
| Utilization and apportionment of water for irrigation, and the organization, operation and maintenance of irrigation districts . . | 61,940 | 61,940 | 65,331.28 |
| Design, construction, operation and mainte- nance of drainage structures, and the organization and development of drainage districts | 66,200 | 66,200 | 70,002.87 |
| Farm structures and their appurtenance . . . | 20,500 | 20,500 | 14,494.41 |
| Farm mechanical equipment. | 25,000 | 25,000 | 20,294.54 |
| Transportation and storage of perishable products. | 12,230 | 12,230 | 10,975.89 |
| Total | \$ 207,170 | \$ 207,170 | \$198,571.41 |

BUREAU OF PUBLIC ROADS

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Approp- riation | Expended and Obligated 1926 |
|--------------------------------|-------------------|--|--------------------------------------|
| ADMINISTRATIVE EXPENSES: | - | - | \$ 14,924.46 |
| Statutory salaries | \$ 118,000 | \$ 118,558 | \$ 118,028.73 |
| Total | \$ 118,000 | \$ 118,558 | \$ 132,953.19 |

TOTALS, BUREAU OF PUBLIC ROADS

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appro- priation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| Total, Lump-Fund Appropriations. . . | \$ 339,170 | \$ 345,121 | \$ 350,595.30 |
| Total, Statutory Salaries | 118,000 | 118,558 | 118,028.73 |
| Total, Bureau of Public Roads . . . | \$ 457,170 | \$ 463,679 | \$ 468,624.03 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and obligated 1926 |
|---------------------------------|-------------------|--|--------------------------------------|
| <u>ADMINISTRATIVE EXPENSES:</u> | | | |
| Office of the Chief..... | \$36,500 | \$36,613 | \$36,151.43 |
| Statutory Salaries..... | 185,000 | 186,000 | 188,662.98 |
| Total..... | 221,500 | 222,613 | 224,814.41 |

BUREAU OF AGRICULTURAL ECONOMICS.

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>FARM MANAGEMENT AND PRACTICE:</u> | | | |
| Agricultural Finance..... | \$ 24,000 | \$24,000 | \$17,386.49 |
| Statutory Salaries..... | 6,120 | 6,120 | 6,273.83 |
| Land Economics and Land Utilization.. | 63,596 | 63,596 | 61,142.13 |
| Statutory Salaries..... | 34,640 | 35,640 | 35,550.93 |
| Farm Population and Rural Life..... | 24,720 | 24,720 | 22,429.13 |
| Statutory Salaries..... | 7,200 | 7,200 | 7,417.50 |
| Farm Management..... | 69,110 | 69,110 | 68,296.88 |
| Statutory Salaries..... | 23,500 | 23,500 | 23,137.10 |
| Cost of Production..... | 80,160 | 80,160 | 79,033.18 |
| Statutory Salaries..... | 32,580 | 33,580 | 33,507.50 |
| Total Farm Management and Practice..... | 261,586 | 261,586 | 248,287.81 |
| Statutory Salaries..... | 104,040 | 106,040 | 105,886.86 |
| Total..... | 365,626 | 367,626 | 354,174.67 |

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>MARKETING AND DISTRIBUTING FARM PRODUCTS:</u> | | | |
| Agricultural Cooperation..... | - | \$ 57,000 | \$57,563.46 |
| Statutory Salaries..... | - | 13,440 | 13,450.00 |
| Marketing fruits and vegetables..... | \$55,000 | 55,000 | 55,737.44 |
| Statutory Salaries..... | 33,000 | 34,000 | 34,084.83 |
| Cost of Marketing..... | 15,000 | 15,000 | 30,603.49 |
| Statutory Salaries..... | - | 3,000 | 2,694.50 |
| Market price trends and transportation | 67,050 | 64,050 | 65,907.82 |
| Statutory Salaries..... | 26,220 | 29,220 | 30,438.91 |
| Market demand analysis..... | 25,000 | 25,000 | 14,563.37 |
| Statutory Salaries..... | - | - | - |
| Marketing livestock, meats and wool... | 55,500 | 50,500 | 51,547.31 |
| Statutory Salaries..... | 11,940 | 11,940 | 11,893.33 |
| Marketing dairy and poultry products. | 24,400 | 24,400 | 23,935.83 |
| Statutory Salaries..... | 6,900 | 6,900 | 7,495.00 |
| Marketing hay, feed and seed..... | 40,000 | 40,000 | 35,446.58 |
| Statutory Salaries..... | 5,880 | 5,880 | 5,358.33 |
| Cotton handling and marketing..... | 22,550 | 22,550 | 22,751.52 |
| Statutory Salaries..... | - | - | - |
| Cotton Standards and testing..... | 31,812 | 28,800 | 30,573.09 |
| Statutory Salaries..... | 2,880 | 2,880 | 3,030.00 |
| State cooperation in marketing work.. | 40,000 | 40,000 | 26,824.77 |
| Statutory Salaries..... | 1,860 | 1,860 | 1,890.00 |
| Grain investigations..... | 76,360 | 76,360 | 75,620.41 |
| Statutory Salaries..... | 15,020 | 15,020 | 14,918.51 |
| Market information..... | 27,328 | 27,328 | 23,400.11 |
| Statutory Salaries..... | 8,580 | 8,580 | 6,859.99 |
| Total, Marketing and Distributing Farm Products..... | 480,000 | 525,988 | 514,475.20 |
| Statutory Salaries..... | 112,280 | 132,720 | 132,113.40 |
| Total..... | 592,280 | 658,708 | 646,588.60 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>CROP AND LIVESTOCK ESTIMATES:</u> | | | |
| Crop and Livestock reports..... | \$378,255 | \$378,255 | \$383,958.13 |
| Statutory Salaries..... | 191,800 | 191,800 | 196,063.32 |
| Production and marketing statistics..... | 24,900 | 24,900 | 21,770.22 |
| Salaries (Statutory)..... | 55,140 | 55,140 | 52,185.02 |
| Total Crop and livestock Estimates..... | 403,155 | 403,155 | 405,728.35 |
| Statutory Salaries..... | 246,940 | 246,940 | 248,248.34 |
| Total..... | 650,095 | 650,095 | 653,976.69 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>FOREIGN COMPETITION AND DEMAND:</u> | | | |
| Agricultural competition and demand in foreign countries..... | \$ 65,360 | \$65,360 | \$58,174.64 |
| Statutory Salaries..... | 24,300 | 24,300 | 25,565.00 |
| Total..... | 89,660 | 89,660 | 83,739.64 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>MARKET INSPECTION OF PERISHABLE FOODS:</u> | | | |
| Inspection of fruits and vegetables.. | \$260,960 | \$255,160 | \$258,779.77 |
| Statutory Salaries..... | 29,095 | 29,095 | 28,274.666 |
| Inspection of dairy and poultry products..... | 31,725 | 28,980 | 28,963.62 |
| Statutory Salaries..... | - | - | - |
| Inspection of hay..... | 40,500 | 40,500 | 37,655.61 |
| Statutory Salaries..... | 1,680 | 1,680 | 1,680.00 |
| Inspection of cotton..... | 19,115 | 19,115 | - |
| Statutory Salaries..... | - | - | - |
| Grading of meats and meat products... | 12,700 | 10,000 | 6,450.27 |
| Statutory Salaries..... | - | - | - |
| Total, Market Inspection of Perishable Foods..... | 365,000 | 353,755 | 331,849.27 |
| Statutory Salaries..... | 30,775 | 30,775 | 29,954.66 |
| Total..... | 395,775 | 384,530 | 361,803.93 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>MARKET NEWS SERVICE:</u> | | | |
| Market reports on livestock, meats and wool..... | \$289,710 | \$289,710 | \$244,416.87 |
| Statutory Salaries..... | 110,310 | 110,310 | 109,672.28 |
| Market news service on fruits and vegetables..... | 324,140 | 324,140 | 314,722.97 |
| Salaries (Statutory)..... | 112,655 | 112,655 | 112,137.28 |
| Market news service on dairy and poultry products..... | 106,550 | 106,550 | 86,524.28 |
| Statutory Salaries..... | 51,000 | 51,000 | 48,883.93 |
| Market news service on grain, hay, feeds and seeds..... | 54,750 | 54,750 | 51,682.03 |
| Statutory Salaries..... | 12,960 | 12,960 | 18,615.03 |
| Total, Market News Service.. | 775,150 | 775,150 | 697,346.15 |
| Statutory Salaries..... | 286,925 | 286,925 | 289,308.52 |
| Total..... | 1,062,075 | 1,062,075 | 986,654.67 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------|-------------------|--|--------------------------------------|
| <u>COOPERATIVE MARKETING:</u> | | (a) | |
| Cooperative marketing..... | \$207,000 | \$150,000 | - |
| Statutory Salaries..... | 13,440 | - | - |
| Total..... | 220,440 | 150,000 | - |

(a) Provided by Second Deficiency Act, Fiscal Year 1926.

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>ENFORCEMENT OF U. S. COTTON FUTURES AND</u> | | | |
| <u>U. S. COTTON STANDARDS ACT:</u> | | | |
| Enforcement of the U. S. Cotton Futures | | | |
| Act and Cotton Standards Act..... | \$188,500 | \$188,500 | \$165,164.95 |
| Salaries..... | 17,000 | 17,000 | 17,130.00 |
| Total..... | 205,500 | 205,500 | 182,294.95 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>ENFORCEMENT OF THE U. S. GRAIN STANDARDS ACT:</u> | | | |
| Administration of the U. S. Grain Standards Act..... | \$610,000 | \$598,940 | \$589,276.07 |
| Statutory Salaries..... | 104,660 | 104,660 | 96,409.68 |
| Total..... | 714,660 | 703,600 | 685,685.75 |

BUREAU OF AGRICULTURAL ECONOMICS

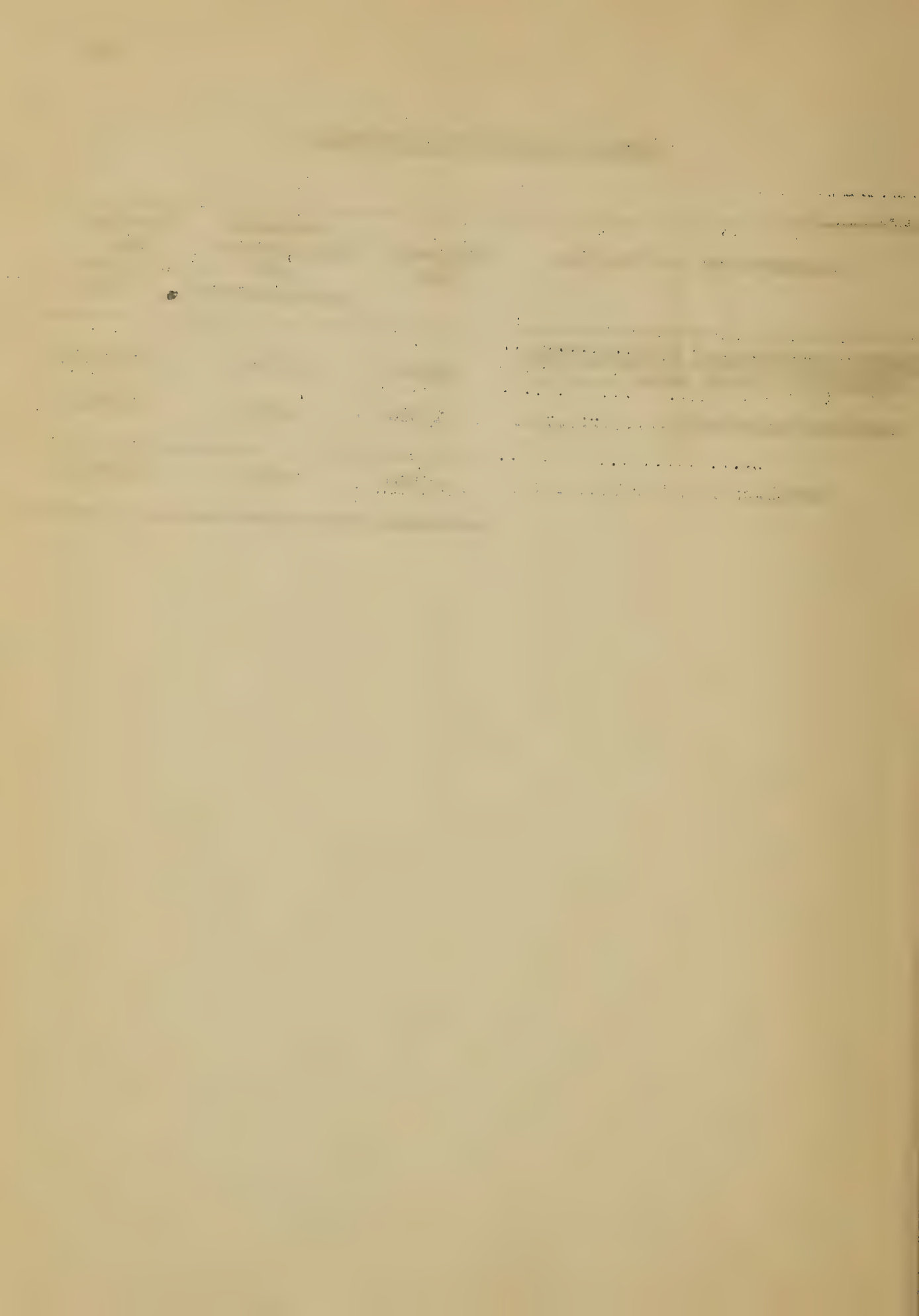
| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|-----------------------------------|
| <u>ENFORCEMENT OF THE U. S. WAREHOUSE</u> <u>ACT:</u> | | | |
| Administration of the U. S. Ware- house Act..... | \$220,000 | \$205,060 | \$191,844.85 |
| Statutory Salaries..... | 12,960 | 12,960 | 14,075.00 |
| Total..... | 232,960 | 218,020 | 205,919.85 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|-----------------------------------|
| <u>ENFORCEMENT OF THE STANDARD CONTAINER ACT:</u> | | | |
| Enforcement of the Standard Container Act..... | \$5,000 | \$5,000 | \$4,776.08 |

BUREAU OF AGRICULTURAL ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>SALARIES AND EXPENSES, WOOL DIVISION:</u> | | | |
| Completion of wool work..... | \$3,000 | \$6,290 | \$5,912.10 |
| Statutory Salaries..... | 1,680 | 1,680 | 5,075.00 |
| Total..... | 4,680 | 7,970 | 10,987.10 |



BUREAU OF AGRICULTURAL ECONOMICS

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>OPERATION OF CENTER MARKET, WASH- INGTON, D.C.</u> | | | |
| Operation of Center Market..... | \$171,000 | \$171,000 | \$171,698.62 |

TOTALS, BUREAU OF AGRICULTURAL ECONOMICS

| Appropriations and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| Total, Regular Appropriations..... | \$3,791,251 | (a) \$3,746,397 | \$3,420,685.52 |
| Total, Statutory Salaries..... | 1,140,000 | 1,150,000 | 1,152,429.44 |
| Total, Bureau of Agricultural Economics..... | 4,931,251 | (a) 4,896,397 | 4,573,114.96 |

(a) Includes \$150,000 for Cooperative Marketing provided by Second Deficiency Act, Fiscal Year 1926.

BUREAU OF HOME ECONOMICS

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>GENERAL EXPENSES:</u> | | | |
| Administration. | \$7,981 | \$7,981 | \$7,868.91 |
| Statutory salaries | 9,300 | 9,300 | 9,190.58 |
| Food and nutrition | 36,476 | 36,476 | 35,215.21 |
| Statutory salaries | 3,381 | 3,381 | 3,381.00 |
| Economics. | 24,541 | 24,541 | 24,203.94 |
| Statutory salaries | 9,681 | 9,681 | 9,681.00 |
| Textiles and clothing | 21,002 | 21,002 | 20,599.85 |
| Statutory salaries | 4,882 | 4,882 | 4,882.00 |
| Dietary studies | 10,000 | 10,000 | - - - - |
| Total, General Expenses. | 100,000 | 100,000 | 87,887.91 |
| Total, Statutory Salaries | 27,244 | 27,244 | 27,134.58 |
| Total, Bureau of Home Economics. . . . | 127,244 | 127,244 | 115,022.49 |

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>ENFORCEMENT OF PLANT QUARANTINE ACT:</u> | | | |
| Administrative and Miscellaneous. | \$14,500 | \$14,500 | \$12,511.01 |
| Statutory salaries. | 18,180 | 18,180 | 16,773.92 |
| Foreign Plant Quarantine | 48,000 | 48,000 | 40,986.61 |
| Statutory salaries. | 22,490 | 22,490 | 22,433.00 |
| Port Inspection Service | 211,500 | 198,500 | 169,168.27 |
| Statutory salaries. | 10,040 | 10,040 | 12,225.00 |
| Mexican Border Inspection Service | 135,680 | 130,000 | 126,005.91 |
| Statutory salaries. | 1,860 | 1,860 | 1,860.00 |
| D. C. Inspection Service. | 25,320 | 24,000 | 19,731.13 |
| Statutory salaries. | 2,580 | 2,580 | 2,580.00 |
| Certification of Exports. | 15,000 | 10,000 | - - - - |
| Total, Enforcement of the Plant Quarantine Act. | 450,000 | 425,000 | 368,402.93 |
| Statutory salaries. | 55,150 | 55,150 | 55,871.92 |
| Total. | 505,150 | 480,150 | 424,274.85 |

FEDERAL HORTICULTURAL BOARD

| Appropriation and Project | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>EXTERMINATION OF THE POTATO WART:</u> Extermination of the Potato Wart. . . . | | | (a) |

(a) \$5,110 appropriated for 1926; no expenditures.

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1928 |
|--|-------------------|--|--------------------------------------|
| <u>SUPPRESSING SPREAD OF PINK BOLLWORM OF COTTON:</u> | | | |
| Cooperation with Mexico. | \$8,860 | \$8,860 | \$4,311.95 |
| Research Investigations. | 5,000 | 5,000 | 3,614.95 |
| Eradication. | 236,140 | 251,140(a) | 230,824.47 |
| Statutory salaries | 3,360 | 3,360 | 3,360.00 |
| Total, Suppressing Spread of Pink Boll- worm of Cotton. | 250,000 | 265,000 | 238,751.37 |
| Statutory salaries | 3,360 | 3,360 | 3,360.00 |
| Total. | 253,360 | 268,360 | 242,111.37 |

(a) Estimated expenditures for 1927 reduced by transfer of \$35,000 to Control of Thurberia Weevil, provided for in Second Deficiency Act, 1926.

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-----------------------------------|-------------------|--|--------------------------------------|
| <u>ERADICATION OF DATE SCALE:</u> | | | |
| Control Work. | \$15,500 | \$18,260 | \$17,888.58 |
| Research Work | 3,500 | 3,500 | 3,558.12 |
| Total | \$19,000 | \$21,760 | \$21,446.70 |



FEDERAL HORTICULTURAL BOARD

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|-------------------------------------|-------------------|--|-----------------------------------|
| <u>CONTROL OF THURBERIA WEEVIL:</u> | | | |
| Control of Thurberia Weevil..... | \$35,000 | \$35,000 (a) | \$ - - - - |

(a) Transferred from the appropriation "Suppressing Spread of Pink Bollworm of Cotton", as provided for in Second Deficiency Act, 1926.

TOTALS, FEDERAL HORTICULTURAL BOARD.

| Appropriation and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|---|-------------------|--|--------------------------------------|
| Total, Lump-Fund Appropriations..... | \$754,000 | \$746,760 | \$628,601.00 |
| Total, Statutory Salaries..... | 58,510 | 58,510 | 59,231.92 |
| Total, Federal Horticultural Board..... | \$812,510 | 805,270 | \$687,832.92 |

PACKERS AND STOCKYARDS ADMINISTRATION

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|---|-----------------------------------|
| Enforcement of the Packers and Stockyards Act | \$420,000 | \$440,000 | \$401,415.05 |

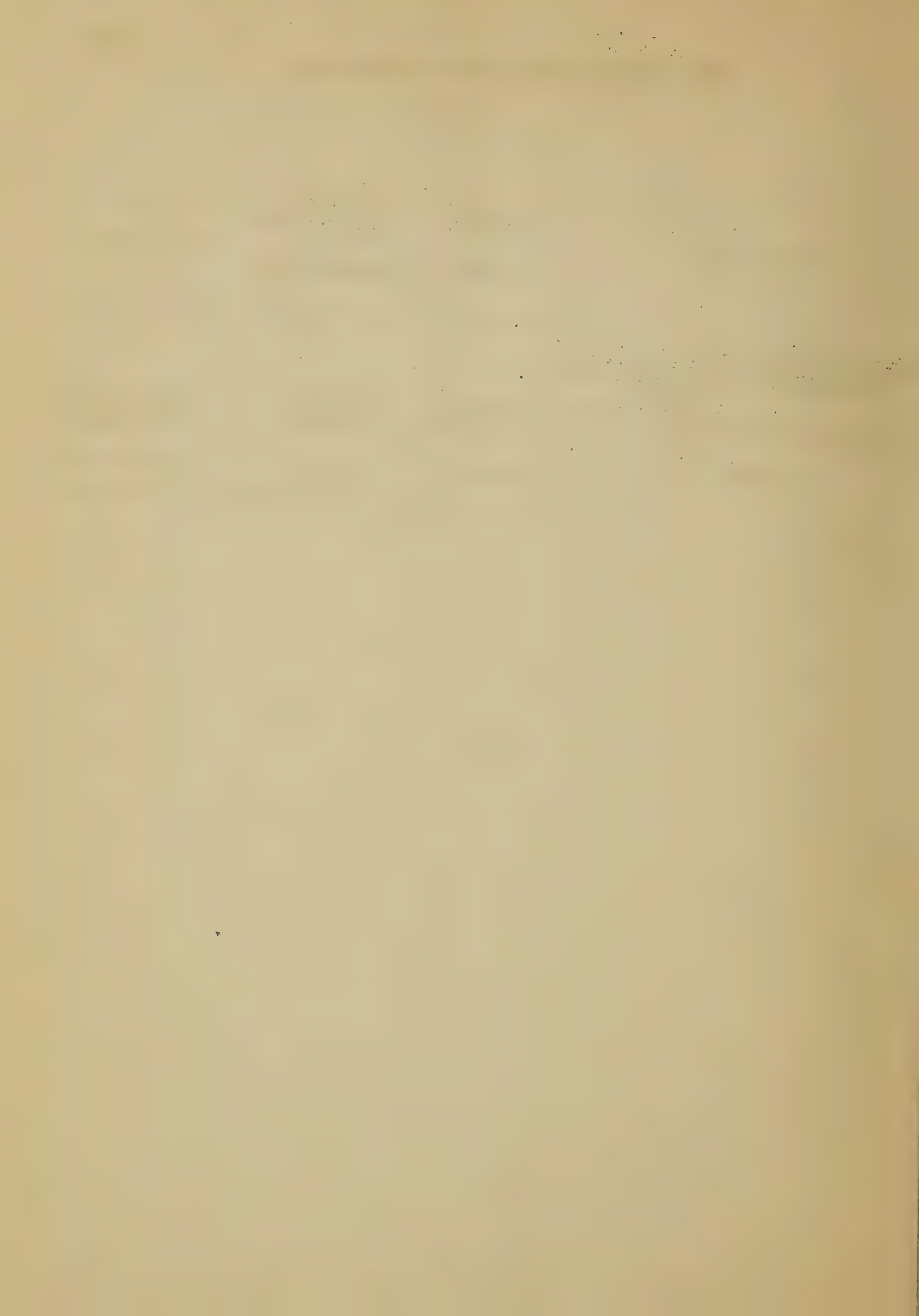
GRAIN FUTURES ADMINISTRATION

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|--|-------------------|---|-----------------------------------|
| Enforcement of the Grain Futures Act. . | \$135,000 | \$121,530 | \$100,033.10 |

FOOD, DRUG AND INSECTICIDE ADMINISTRATION

| Appropriation and Projects | Estimated 1928 | Estimated expendi- tures 1927 appropri- ation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Collaboration with Other Departments:</u> | | | |
| Collaboration with Other Depart- ments. | \$13,865 | \$13,865 | \$13,121.53 |
| Statutory Salaries | 2,781 | 2,843 | 2,879.35 |
| Total | 16,646 | 16,708 | 16,000.88 |

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>Enforcement of the Food & Drugs Act:</u> | | | |
| Enforcement of the Food & Drugs Act. | \$760,260 | \$760,668 | \$746,307.65 |
| Statutory Salaries | 249,698 | 255,031 | 258,420.20 |
| Total. | 1,009,958 | 1,015,699 | 1,004,727.85 |



FOOD, DRUG AND INSECTICIDE ADMINISTRATION

| Appropriation and Projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--------------------------------------|-------------------|--|--------------------------------------|
| Enforcement of the Tea Act: | | | |
| Enforcement of the Tea Act | \$ 38,000 | \$ 40,690 | \$ 36,108.92 |
| Statutory Salaries | 6,055 | 6,185 | 6,261.79 |
| Total | 44,055 | 46,875 | 42,370.71 |

FOOD, DRUG AND INSECTICIDE ADMINISTRATION

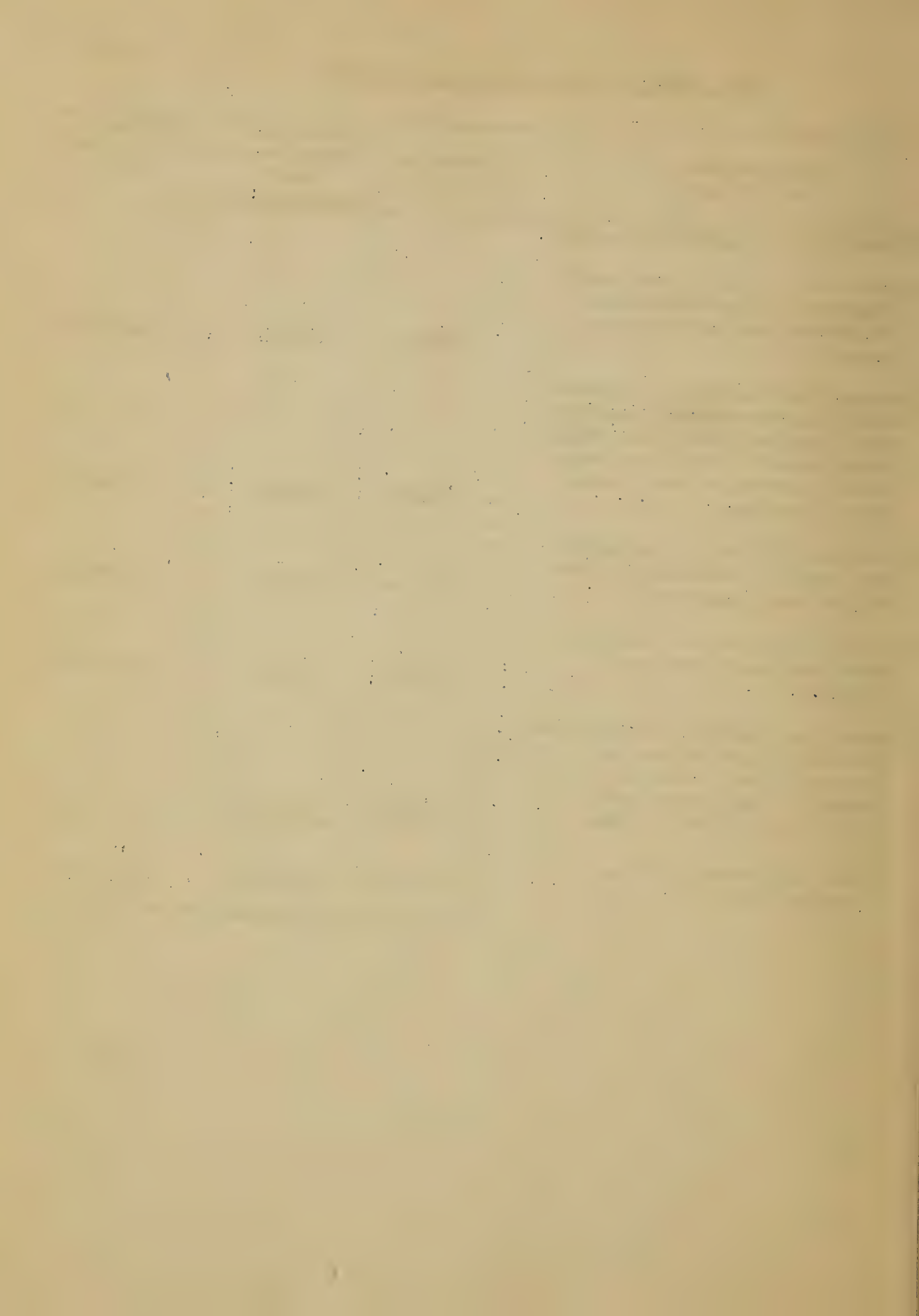
| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Enforcement of Naval Stores Act</u> | | | |
| Naval Stores..... | \$ 35,000 | \$25,000 | \$ 20,845.57 |
| Statutory Salaries..... | 5,726 | 5,844 | 5,918.23 |
| Total..... | \$ 40,726 | \$30,844 | \$ 26,763.80 |

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| Appropriation and Projects | : Estimated 1928 | : Estimated expenditures 1927 | : Estimated Expenditures and obligated 1926 |
|--|------------------------|--|---|
| | | : appropriation: | |
| <u>Enforcement of the Insecticide Act:</u> | | | |
| Inspection of domestic and import shipments of Insecticides and fungicides, and development of cases. | \$60,411 | 60,651 | \$51,393.63 |
| Chemical, microscopic and bacter- iologic examination of insecti- cides and fungicides (including disinfectants) other than those used on horses, cattle, sheep, swine or goats | 73,935 | 74,229 | 70,526.29 |
| Testing of efficacy of fungicides and action on foliage of insecti- cides and fungicides | 23,669 | 23,763 | 23,973.39 |
| Testing of efficacy of insecti- cides and their action on foliage | 24,857 | 24,956 | 24,228.37 |
| Chemical and bacteriological exam- ination of insecticides and fungicides used primarily on horses, cattle, sheep, swine or goats, and efficacy of same | 17,128 | 17,196 | 16,994.13 |
| Total, Enforcement of the Insecticide Act | 200,000 | 200,795 | 187,115.81 |



TOTALS, FOOD, DRUG AND INSECTICIDE ADMINISTRATION

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| Total, Lump Fund Appropriations..... | \$ 1,047,125 | \$ 1,041,018 | \$ 1,003,499.48 |
| Total, Statutory Salaries..... | 264,269 | 269,903 | 273,479.57 |
| Total, Food & Drug Administra- tion | 1,311,385 | 1,310,921 | 1,276,979.05 |

FOREST SERVICE

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| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>Forest Fire Cooperation:</u> | | | |
| Cooperation with States in forest fire prevention and suppression, and the study of the effect of tax laws and timber insurance | \$1,000,000 | \$710,000 | \$652,322.88 |

COOPERATIVE FARM FORESTRY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>COOPERATIVE FARM FORESTRY.</u> | \$60,000 | \$50,000 | \$34,963.22 |



| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|-------------------|--|--------------------------------------|
| <u>Cooperative Distribution of Forest Planting Stock:</u> | | | |
| Cooperation with States in the procurement, production, and distribution of forest tree seeds and plants in establish- ing windbreaks, shelter belts, and farm woodlots upon denuded or nonforested lands. | \$75,000 | \$75,000 | \$46,278,82 |

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|-------------------|--|--------------------------------------|
| <u>Acquisition of Additional Forest Lands:</u> | | | |
| Examination and purchase of additional forest lands at headwaters of navigable streams | \$1,000,000 | \$1,000,000 | \$988,916.22 |

| Appropriation and project | Estimated 1928 | Estimated Expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| <u>EXPERIMENTS AND DEMONSTRATIONS IN LIVE STOCK PRODUCTION IN THE CANE- SUGAR AND COTTON DISTRICTS.</u> | | | |
| Experiments and demonstrations in live stock production in the cane- sugar and cotton districts..... | \$43,930 | \$43,930 | \$43,290.02 |
| Total..... | 43,930 | 43,930 | 43,290.02 |



| Appropriation and projects-- | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|--|-------------------|-----------------------------------|-----------------------------------|
| <u>EXPERIMENTS IN DAIRYING AND LIVE STOCK</u> <u>PRODUCTION IN THE SEMI-ARID AND IRRIGA-</u> <u>TED DISTRICTS OF WESTERN UNITED STATES</u> | | | |
| Experiments in dairying and live stock production in the semi-arid and irri- gated districts of western United States. | \$21,435 | \$21,435 | \$19,844.46 |
| Total | 21,435 | 21,435 | 19,844.46 |



BUREAU OF DAIRY INDUSTRY

| Appropriation and projects | Estimated 1928 | Estimated 1927 | Estimated and expended and obligated 1926 |
|--|-------------------|-------------------|---|
| <u>EXPERIMENTS IN DAIRYING AND LIVESTOCK PRODUCTION IN WESTERN UNITED STATES</u> | | | |
| Ardmore Field Station. Ardmore, South Dakota | \$9,065 | \$9,065 | \$8,446.71 |
| Huntley Field Station Huntley, Montana | 15,110 | 11,110 | 11,012.22 |
| Total | \$24,175 | \$20,175 | \$19,458.93 |



BUREAU OF DAIRY INDUSTRY

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| Dairying and Livestock Experiment Station, Mandan, North Dakota. | \$25,000 | - - - - | - - - - |



| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| <u>ERADICATION OF FOOT AND MOUTH AND OTHER CONTAGIOUS DISEASES OF ANIMALS:</u> | | | |
| Eradication of Foot and Mouth and other contagious diseases of ani- mals..... | \$100.00 | \$115,000.00 | \$845,855.10 |
| Special researches concerning the foot and mouth disease with the ob- ject of discovering, if possible, new methods of prevention and erad- ication. | ----- | ----- | -38,108.49 |
| Estimated unexpended balance June 30, 1927..... | 2,015,745.19 | 2,015,745.19 | - - - - - |
| Total..... | 2,015,845.19 | 2,130,745.19 | 883,963.58 |

| Appropriation and projects | Estimated 1928 | Estimated Expenditures 1927 | Expended and obligated 1926 |
|---|-------------------|-----------------------------------|-----------------------------------|
| ERADICATION AND CONTROL OF THE EUROPEAN FOWL PEST. | | | |
| Eradication and control of the European Fowl Pest. | - - - - - | \$10,000 | \$7,508.99 |
| Total | - - - - - | 10,000 | 7,508.99 |

COLLECTION OF SEED GRAIN LOANS

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 appropriation | Expended and obligated 1926 |
|---------------------------------------|-------------------|--|--------------------------------------|
| <u>COLLECTION OF SEED GRAIN LOANS</u> | \$10,000 | \$15,000 | \$22,560.39 |

FOREST SERVICE

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|---|--------------------|--|--------------------------------------|
| <u>FOREST HIGHWAYS:</u> | | | |
| Construction and maintenance of forest roads of primary importance to States and counties. | (a) \$4,500,000 | (b) \$5,685,000 | (c) \$5,059,865.44 |

(b) Includes unexpended balance of \$1,105,189.55 from the fiscal year 1926 and \$1,942,310.45 from a proposed deficiency appropriation

(c) Includes unexpended balance of \$3,660,862.18 from the fiscal year 1925.

| Appropriation and projects | Estimated 1928 | Estimated expenditures 1927 Appropriation | Expended and obligated 1926 |
|--|--------------------|--|--------------------------------------|
| <u>Forest Road Development:</u> | | | |
| Construction and maintenance of forest roads and trails of primary importance to the protection, administration, and utilization of the National Forests. | (a) \$3,000,000 | (b) \$3,516,437.64 | (c) \$3,058,014.99 |

(b) Includes unexpended balance of \$96,248.09 from the fiscal year 1926 and \$1,057,689.55 from a proposed deficiency appropriation.

(c) Includes unexpended balance of \$2,214,331.17 from the fiscal year 1925.

FEDERAL AID HIGHWAY SYSTEM

| Appropriations and Projects | Estimated 1928 | Estimated Expenditures 1927 Appropriation | Expended and Obligated 1926 |
|--|---------------------|--|--------------------------------------|
| Cooperative construction of the Federal-aid Highway System..... | \$75,000,000 (b) | \$75,000,000 (a) | \$89,362,110.64 |

(a) In addition to this amount an unexpended balance of \$6,000,000 has been carried forward from the fiscal year 1926 and it is estimated that \$4,000,000 of the 1928 appropriation will be required to be warranted as available for expenditure during 1927. This makes a total of \$85,000,000 available for the fiscal year 1927.

(b) Will be insufficient to meet vouchers it is estimated will be submitted.

